Classic Cantabile DP-300 E-Piano

Users manual

00026614/00025070/00025071
Version 01/2012

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply
Please connect the designated AC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the AC power adaptor when not using the instrument, or during electrical storms.

Connections
Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location
Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices
Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning
Clean only with a soft, dry cloth.
Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling
Do not apply excessive force to the switches or controls.

Do not let paper, metallic, or other objects into the instrument. If this happens, unplug the AC adaptor from the wall outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

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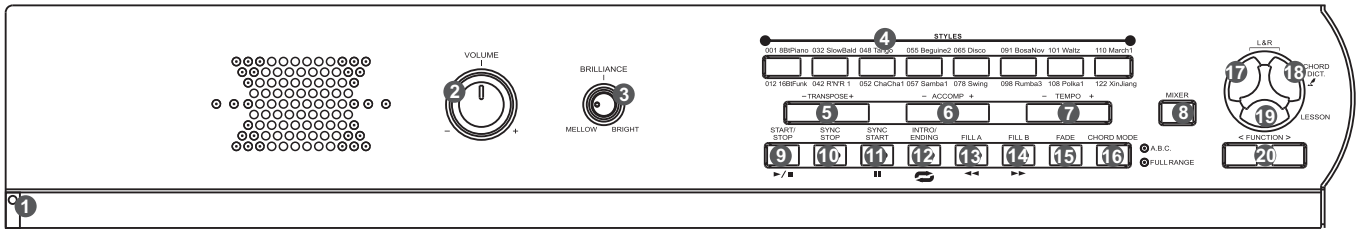
Panel & Display Description

Front Panel



1.POWER ON / OFF
Turn the power on and off.

2.MASTER VOLUME
Adjust the master volume.

3.BRIGHTNESS
Set a brightness level.

4.STYLE DIRECT SELECT BUTTON
Select a direct style.

5.TRANSPOSE -/+
Adjust the current transpose.

6.ACCOMP -/+
Adjust the volume accompaniment.

7.TEMPO -/+
Adjust the current tempo.

8.MIXER
Enter the Mixer menu.

In Song Mode

9.START/STOP
Start or stop playing the song.

11.PAUSE
Pause the playing song or start it.

12.REPEAT A-B
Set the location of loop begin and loop end to the current song.

13.REW
Rewind the song.

14.FF
Fast forward the song.

In Style Mode

9.START/STOP
Start or stop playing the style.

10.SYNC STOP
Turn the Sync Stop on and off.

11.SYNC START
Turn the Sync Start on and Off.

12.INTRO/ENDING
Play the Intro or Ending.

13.FILL-IN A
A Fill-in A plays.

14.FILL-IN B
A Fill-in B plays.

15.FADE
Turn the Fade in or Fade out on.

16.CHORD MODE
Select the Chord Mode.

17.LEFT HAND
Choose the left hand in Lesson Mode.

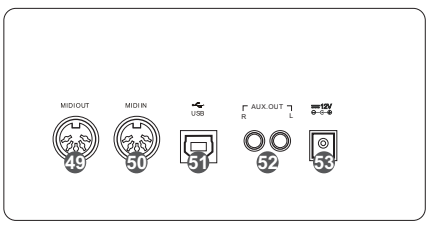
18.RIGHT HAND
Choose the right hand in Lesson Mode.

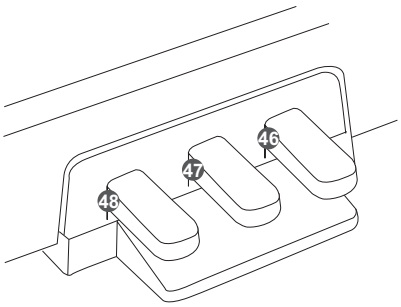
CHORD DICTIONARY
Hold the button to enter the Chord Dictionary.

19.LESSON
Enter the Lesson Mode.

20.<FUNTION, FUNTION>
Enter or select the Function menu.

Rear Panel





49.MIDI OUT
Transmit the MIDI data to the other MIDI device.

50.MIDI IN
Receive the MIDI data from the other MIDI device.

51.USB JACK
Connect to a computer.

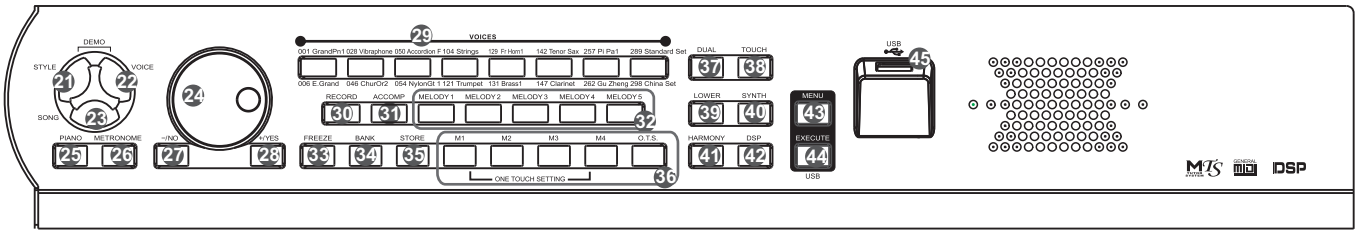
52.AUX.OUT
Connect the audio equipment.

53.DC 12V
Connect DC 12V power adaptor. (Optional)

46.SUSTAIN PEDAL
Step on the sustain pedal, all notes played on the keyboard would have a longer sustain.

47.SOSTENUTO PEDAL
Step on the sostenuto pedal, the notes played before you step on would have a sustain effect.

48.SOFT PEDAL
Step on the soft pedal, all notes played on the keyboard would have a softer effect.



21.STYLE
Enter the Style Mode.

22.VOICE
Enter the Voice Mode.

23.SONG
Enter the Song Mode.

24.DATA DIAL
Increase and decrease the value.

25.PIANO
Enter the Piano Mode.

26.METRONOME
Turn the Metronome on and off.

27.- / NO
Decrease the displayed value by 1.

28.+ / YES
Increase the displayed value by 1.

29.VOICE DIRECT SELECT BUTTON
Select a direct voice.

30.RECORD
Enter the Record Mode.

31. ACCOMP
Select the accompaniment track to record.

32.MELODY 1~5
Select the melody track to record.

33.FREEZE
Lock style parameter.

34.BANK
Select a bank.

35.STORE
Register the panel settings.

36.ONE TOUCH SETTING
Enter the One Touch Setting Mode.

37.DUAL
Turn the Voice R2 on and off.

38.TOUCH
Enter the Touch Setting menu.

39.LOWER
Turn the Voice L on and off.

40.SYNTH
Enter the voice edit menu.

41.HARMONY
Turn the harmony effect on and off.

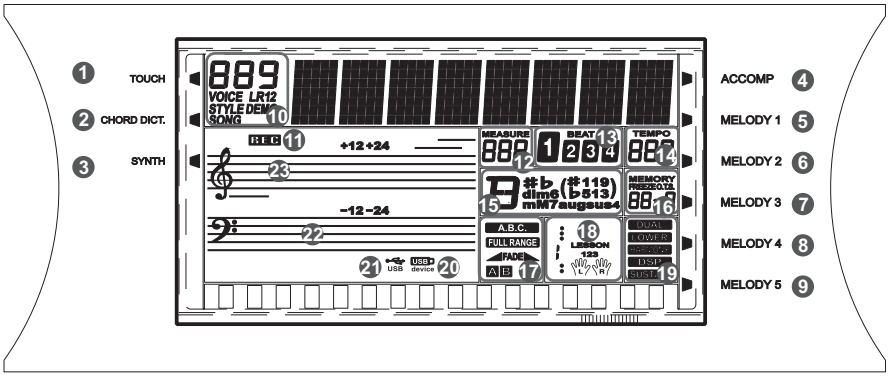
42.DSP
Turn the DSP effect on and off.

43.MENU
Enter the U Disk Mode.

44.EXECUTE
Execute the operation in the USB Mode.

45.USB HOST
Insert the U Disk.

Display



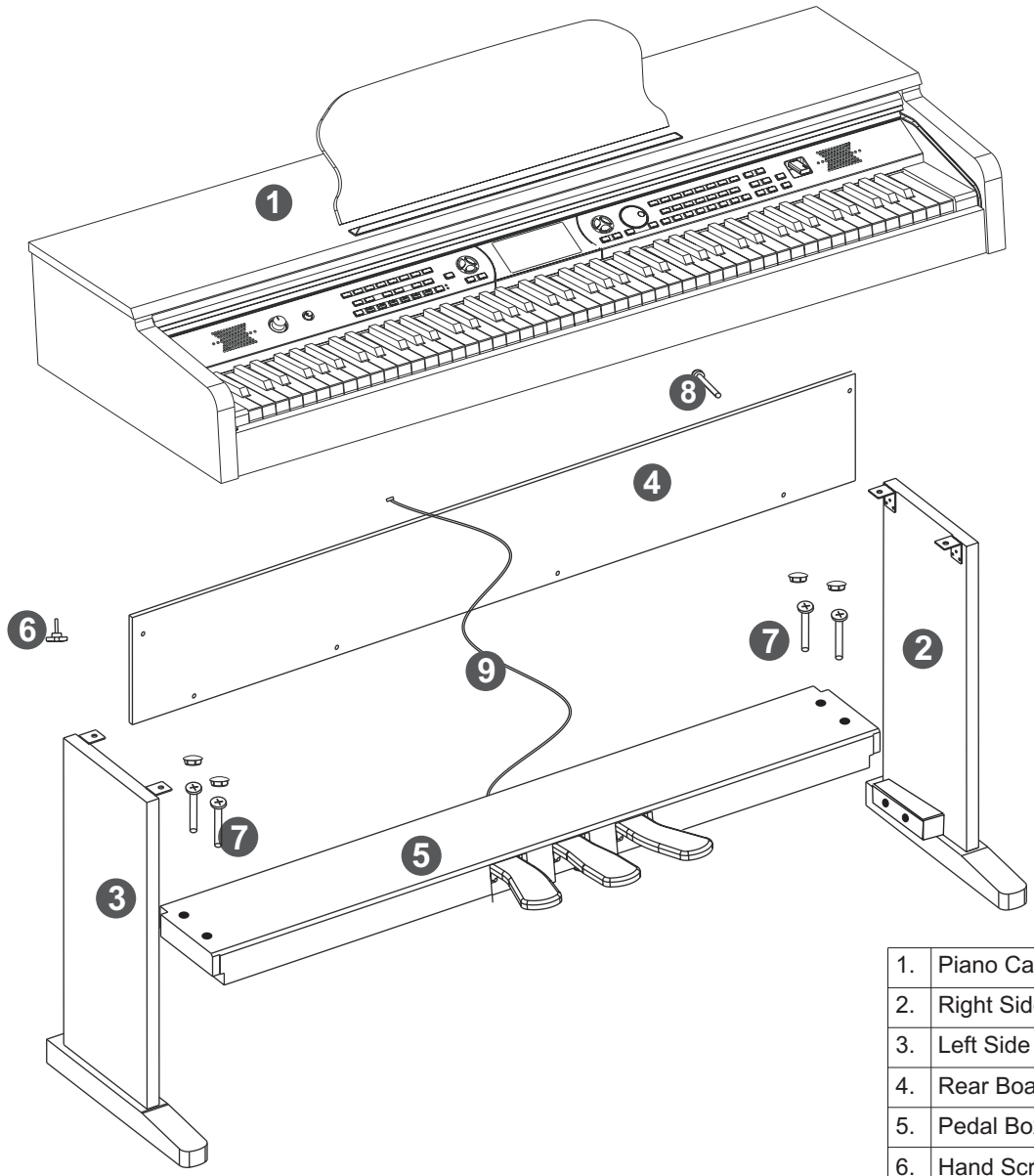
1.TOUCH
2.CHORD DICT.
3.SYNTH
4.ACCOMP
5.MELODY 1
6.MELODY 2
7.MELODY 3
8.MELODY 4
9.MELODY 5
10.VOICE/STYLE/DEMO/SONG
11.RECORD
12.MEASURE
13.BEAT
14.TEMPO
15.CHORD
16. STORE M1-M4/ONE TOUCH SETTING
17.A.B.C./FULL RANGE/FADE/A/B
18.LEFT/RIGHT HAND LESSON MODE
19.DUAL/LOWER/HARMONY/DSP
20.U DISK
21.USB
22.BASS CLEF
23.TREBLE CLEF

Setup

This section contains information about setting up your instrument and preparing to play. Please go through this section carefully before turning the power on.

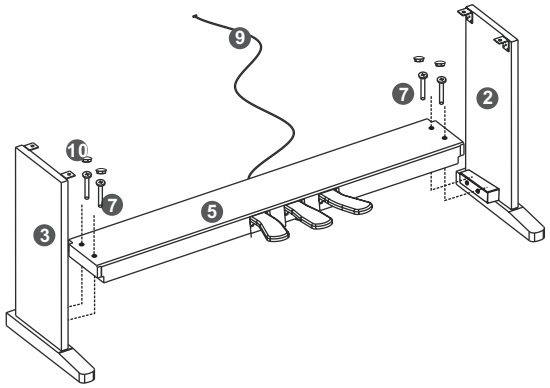
Setup Guide

Before you proceeding to assemble the stand, get a Philip's screwdriver (not supplied).
Make sure you have the following parts, which are supplied into package.

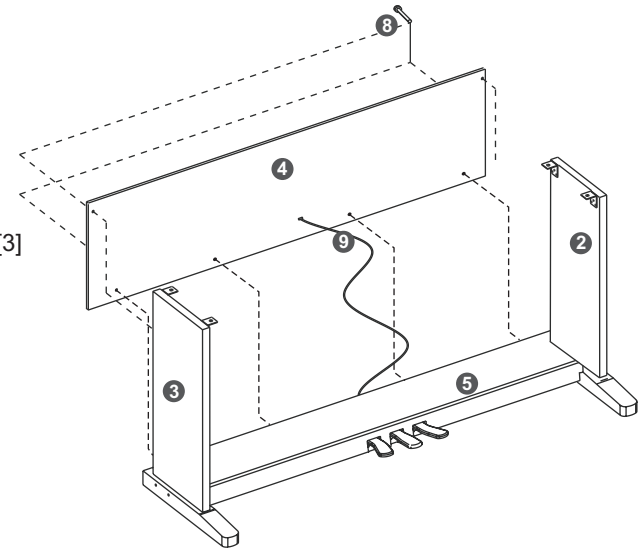


1.	Piano Cabinet
2.	Right Side Board
3.	Left Side Board
4.	Rear Board
5.	Pedal Box
6.	Hand Screw (4pcs)
7.	Screw 60mm(6pcs)
8.	Screw 15mm(4pcs)
9.	Pedal Cable
10.	Screw Cover(4pcs)

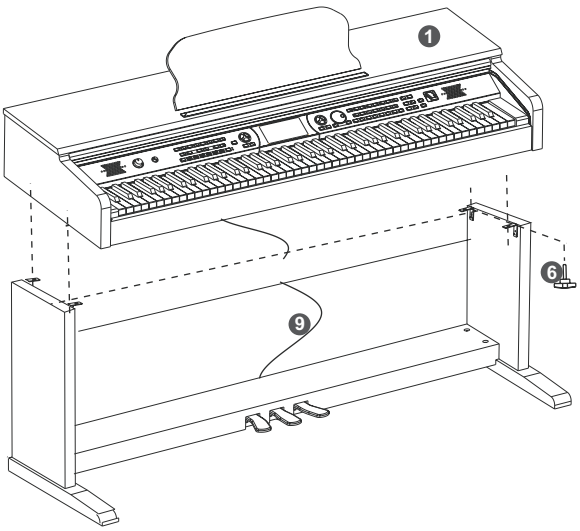
A. Fix and well tighten the right side board [2] and right side board [3] to the pedal box [5] with 4 screws [7].



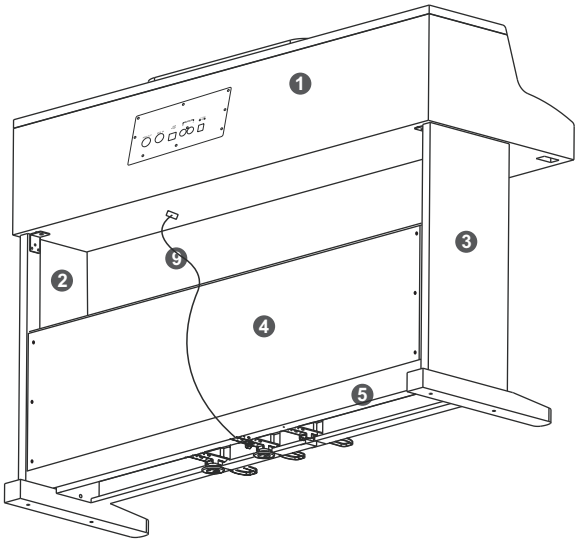
B. Fix the rear board [4] to the right side board[2] and left side board[3] with 6 screws [8].



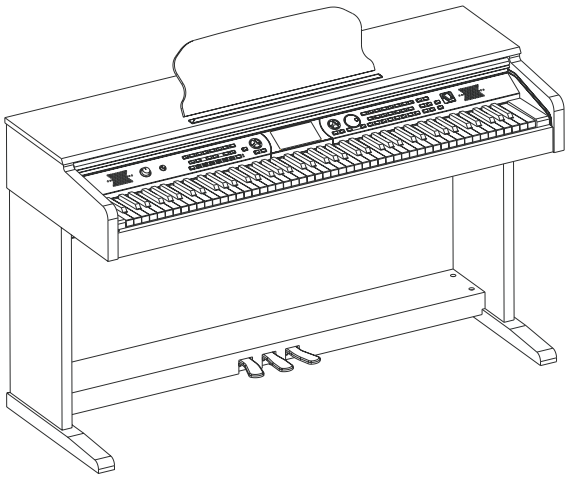
C. Place the piano cabinet [1] on the stand, fix it with 4 hand screws[6].



D. Insert the pedal cable [9] into the proper socket of the cabinet [1].

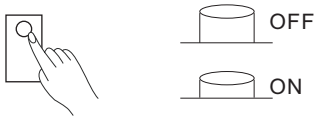


The assembly is complete as the right picture, now you can enjoy this wonderful piano.



Power supply

1.Please make sure that POWER ON/OFF switch of the instrument is set to OFF. Then turn the MASTER VOLUME control to the minimum volume level.

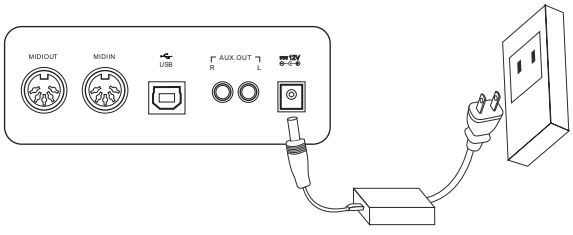


2.Connect the AC/DC adaptor to the power supply jack.

3.Plug the AC/DC adaptor into an AC outlet. And when turning the power OFF, simply reverse the procedure please.

4.Turn the power ON.

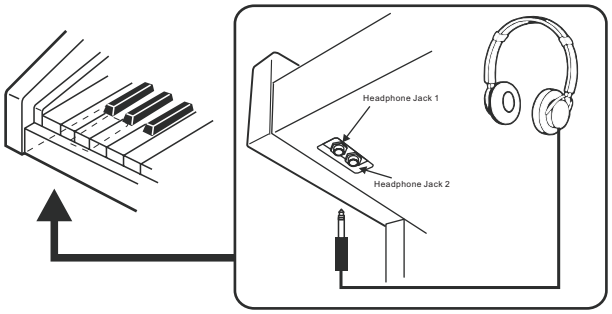
Note:
When the keyboard is not in use or in the time of thunderstorm, please disconnect the power for safety purpose.



Connecting a pair of Headphones

A standard pair of stereo headphones can be plugged in here for private practice or late-night playing.

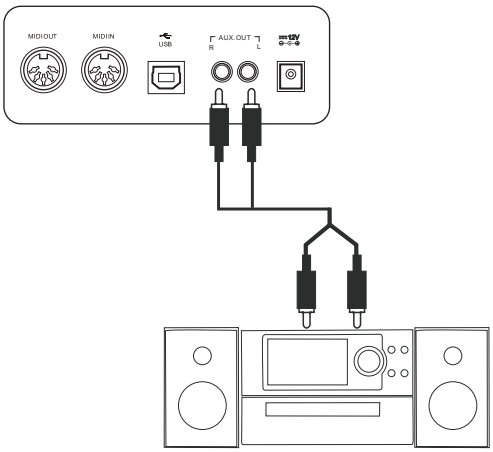
Jack1: When a pair of headphones is plugged into the Jack 1, the sound can be heard from headphones and speakers of the instrument.
Jack2: When a pair of headphones is plugged into Jack 2, the internal stereo speaker system is automatically shut off . The sound can be heard from headphones.



***Note*:**
Do not listen with the headphones at high volume for long periods of time. Doing so may cause hearing loss.

Connecting an Audio Equipment

The rear-panel AUX.OUT jack delivers the output of the instrument for connection to a keyboard amplifier, stereo sound system, a mixing console, or tape recorder. Use an audio cord to plug into the AUX.OUT jack located on the rear board then plug the other end of the cord into AUX.IN of the amplifier.



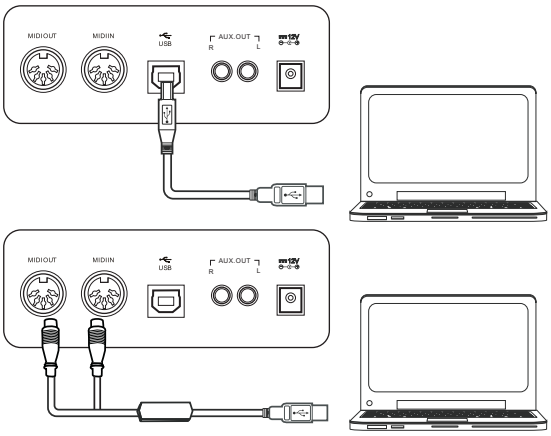
Note:
To avoid damaging the speakers, please ensure that the volume has been set to the minimum level before connecting the power and other devices.

Connecting a Computer

The instrument receives and transmits MIDI messages via the USB connector or MIDI connectors.

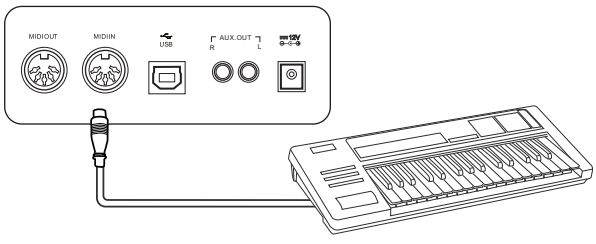
Via the USB Connector
USB Connector
This receives and transmits MIDI messages.

Via the MIDI Connectors
MIDI IN Connector
This receives MIDI messages transmitted from an external MIDI device or a computer.
MIDI OUT Connector
Your performance data is transmitted from this connector to connected computer or MIDI device.



Connecting a MIDI Keyboard

If you're using an external MIDI keyboard or pads to control the digital piano, make connections as shown. Here, it is used as a sound module.

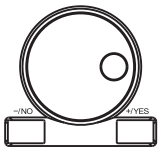


Playing the Demos

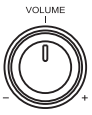
The instrument features 2 wonderful demos. Please refer to ***DEMO LIST.***

1.Press the [STYLE] and [VOICE] buttons simultaneously to start playing the demo.

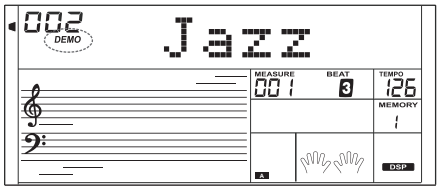
2.Select a demo song
Use the data dial, the [+/YES] button or the [-/NO] button to select a demo song.



3.Set a volume level with the [MASTER VOLUME] knob.



4.Press the [STYLE] and [VOICE] buttons simultaneously again or press the [START/STOP] button to stop playing and exit the demo mode.

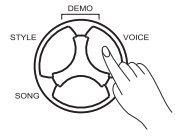


Note:
In the DEMO mode, all buttons except START/STOP, TEMPO+, TEMPO-, +/YES, -/NO, VOLUME, POWER ON/OFF will be not available.

Playing Voices

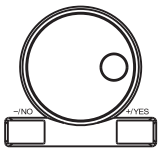
The instrument features 300 exceptionally realistic voices, including piano, guitar, strings, brass and more.
Please refer to ***Voice List***.

Selecting a Voice

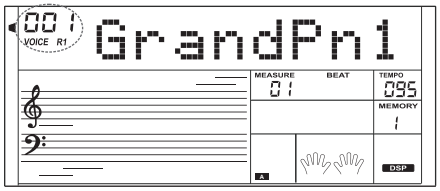


1.Press the [VOICE] button
Enter the VOICE mode. LCD shows “VOICE R1” and the voice number.

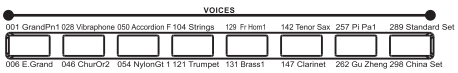
2.Select a voice.
Use the data dial, the [+/YES] button, the [-/NO] button to select the voice you want to play. You can also use the Voice Direct Button to select a voice. 2 direct voices for each button (upper & lower key).



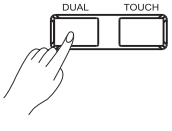
3.Play the voice.



Note:
While changing a voice, pay attention to the rules. If you press the same button, the voice will be changed between the upper and lower key. When the upper/lower voice is on, and then you press another direct button, the corresponding upper/lower voice will be selected.

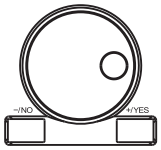


Playing two Voice Simultaneously-DUAL

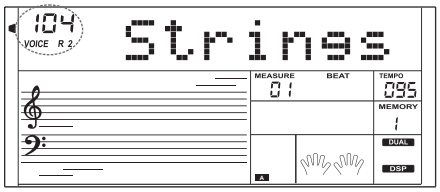


1.Press the [DUAL] button

2.Play the voices.
Two different voices are sounded simultaneously in a layer.The number of the dual voice will be displayed on the LCD.

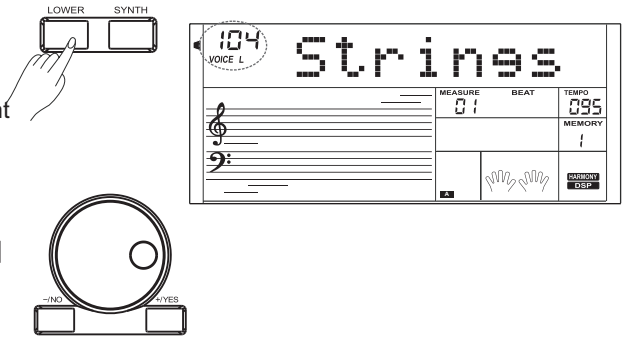


3.Selecting a voice for VOICE R2.
When the number of the dual voice is displayed, you can select a voice for Voice R2. Use the data dial, [+/YES] and [-/NO] button, or Voice Direct Buttons.



Note:
While the keyboard has spited, only the right hand area can respond the dual voice, the left hand area can't respond it.

Playing Different Voices with Both Hands-LOWER



1.Press the [LOWER] button.

2.Play the voices
The notes you play with your right and left hands sound two different voices. The number of the lower voice will be displayed on the LCD

3.Selecting a voice for VOICE L.
When the number of the lower voice is displayed, you can select a voice for Voice L. Use the data dial, the [+/YES] button or the [-/NO] button.

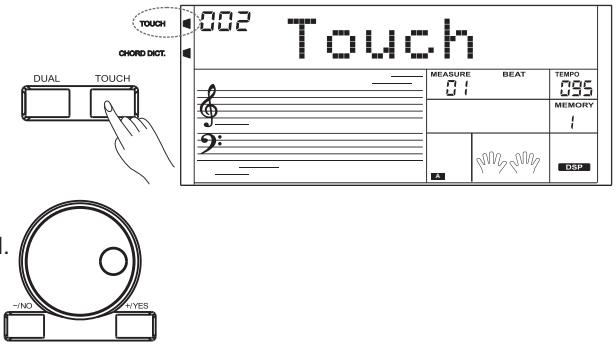
Split Point
The Point on the keyboard that separates voice L and voice R1/R2 is called the “split point”. The split point is set to F#3/G3 at the factory setting. However you can set this to any key you want. Refer to ***Setting The Split Point.***

Brightness Control

Use the brightness knob to adjust the whole voice effect's brightness.

Touch

The keyboard is equipped with a touch response feature that lets you dynamically and expressively controls the level of the voice with your playing strength just as on an acoustic instrument.

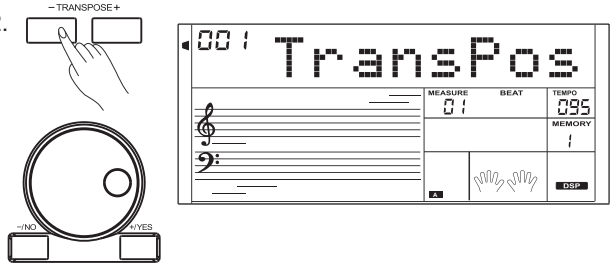


1.Press the [TOUCH] button. The LCD shows that the touch value ranging from off to level 3.

2.Use the data dial, the [+/YES] button, the [-/NO] button or the [TOUCH] button to change the touch response level.
Default level of touch response is 2.
If the value is set to OFF, that means no touch response to keyboard.

Transpose

Transpose function allows the overall pitch of the instrument to be transposed up or down by a maximum of one octave in semitone steps.



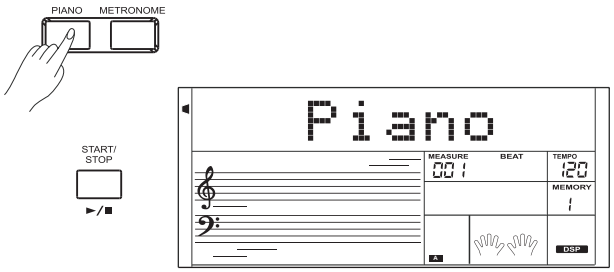
1.Press the [TRANSPOSE+] or [TRANSPOSE-] button. The LCD displays the current transpose value. The value range from -12 to 12.

2.Use the data dial, [+/YES] or [-/NO], [TRANSPOSE+] or [TRANSPOSE-] button to change the transpose value.

3.Press [+/YES] and [-/NO] simultaneously or Press the [TRANSPOSE+] and [TRANSPOSE-] button simultaneously will set the value to default.

Piano

No matter what setting you've made from the panel, you can instantly call up the piano setting by a single button press.



1.Press [PIANO] button to enter piano or exit piano mode.

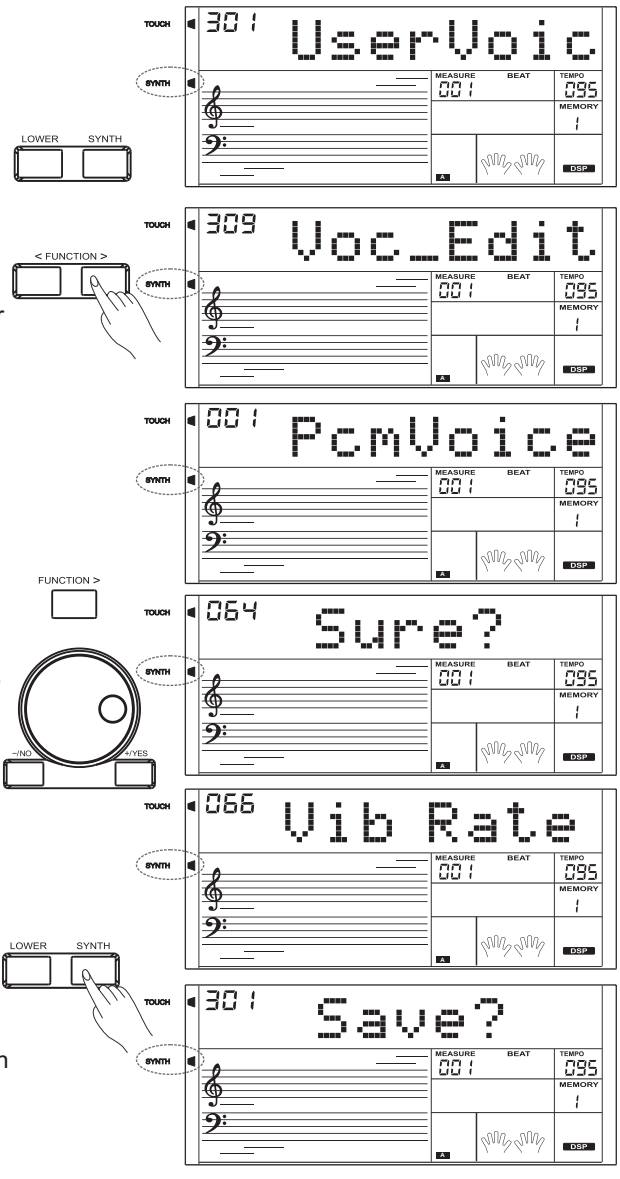
2.In the PIANO mode, you can start a style. Press the [START/STOP] button to play.

Note:
The MIXER menu can be entered.

Editing the User Voice

User voice parameter：

Parameter Name	Range	Default
User Voice Number	301 - 310	301
PcmVoice	001 - 288	001
VibRate	000 - 127	64
VibDepth	000 - 127	64
VibDelay	000 - 127	64
EnvAttac	000 - 127	64
EnvRelea	000 - 127	64
EnvDecay	000 - 127	64



1.Press [SYNTH] button to enter the voice editing mode.
Use [+/YES]/ [-/NO] button or data dial to select a user voice number you want.

2.Press [FUNCTION>] button to enter the next menu.
Press [SYNTH]/ [<FUNCTION] button to return to previous menu.

3.Select “Voc_Edit” menu and press [FUNCTION>] button to select voice parameter. Use [+/YES]/ [-/NO] button or data dial to select sample voice.

Select “Delete” menu and press [FUNCTION>] button, LCD displays “Sure?”. Press [+/YES] button to delete the user voice, and then return to previous menu; press [-/NO] button to cancel the operation, and then return to previous menu; press [SYNTH] button to return to previous menu.

4.Use [<FUNCTION]/ [FUNCTION>]button to select the voice parameter, the voice parameter will display on the LCD as follows “PcmVoice”, “Vib Rate”, “VibDepth”, “VibDelay”, “EnvAttac”, “EnvRelea”, “EnvDecay”.
Use [+/YES]/ [-/NO] button or data dial to adjust these parameter value.

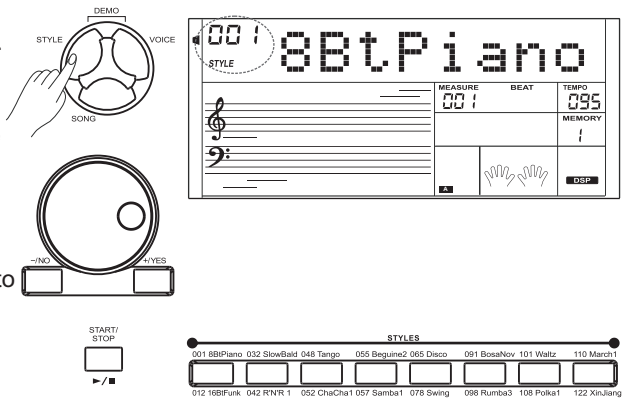
5.Press [SYNTH] button and LCD displays “Save?”.
Press [+/YES] button to save the user voice, and then return to previous menu; Press [-/NO] button to cancel the operation, and then return to previous menu.

Note:
The voice editing function is invalid in the song playing, demo playing, recording and U Disk mode.

The auto accompaniment feature puts a full backing band at your fingertips. To use it, all you have to do is play the chords with your left hand as you perform and the selected accompaniment style matching your music sill automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of entire band or orchestra. The instrument features 130 styles in a variety of different musical genres. Try selecting some of the different styles (Refer to ***Style List***) and play with the auto accompaniment.

Playing Auto Accompaniment (rhythm track)

1.Press the [STYLE] button.
Enter the STYLE mode. LCD shows “STYLE” and the style number.



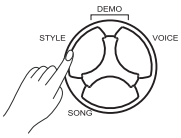
2.Select a style
Use the data dial, the [+/YES] button, the [-/NO] button to select the style you want to play.
Also, you can use the Style Direct Button to select a style. 2 direct styles for each button (upper & lower key).

3.Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment.

Note:
While changing a style, pay attention to the rules. If the same button has been pressed twice, the style will be swapped from one to another. When the upper/lower style is on, and you then press another direct button, the corresponding upper/lower style will be selected.

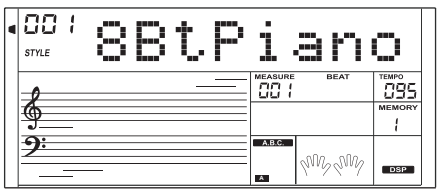
Playing Auto Accompaniment (all tracks)

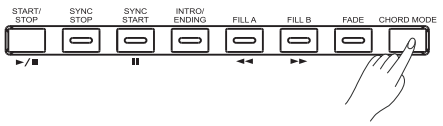
1.Press the [STYLE] button.



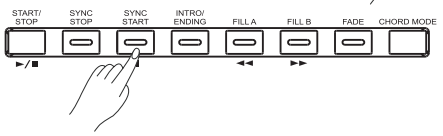
2.Select a style.

3.Turn on the CHORD MODE.
Press the [CHORD MODE] button, the specified left-hand section of the keyboard becomes the “Auto Accompaniment” section, and chords played in this section are automatically detected and used as a basis for fully automatic accompaniment with the selected style.

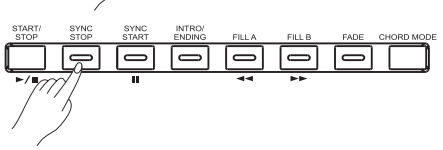




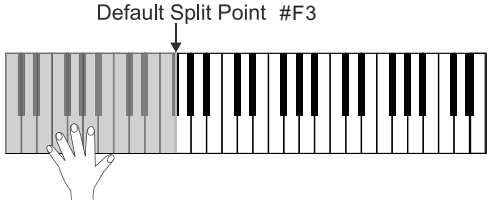
4.Turn SYNCHRONIZED START on.
Press the [SYNC START] button, now the beat lamp flashes in time with the tempo. This condition is called synchronized start standby. As soon as you play a chord with your left hand, the auto accompaniment starts. For example, play a C major chord to start the auto accompaniment.



5.Turn SYNCHRONIZED STOP on.
Press the [SYNC STOP] button, you can stop and start the style anytime you want by simply releasing or playing the keys (in the chord section of the keyboard)

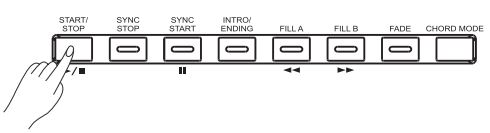


Default Split Point #F3

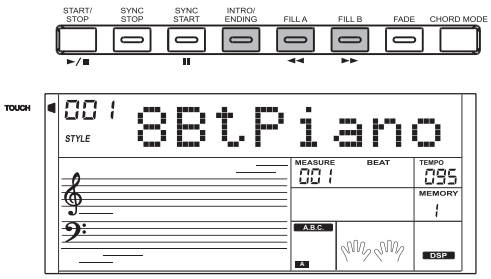


6.Try playing other chord with your left hand.

7.Press the [START/STOP] button again to stop the accompaniment



Accompaniment Sections



There are various types of Auto Accompaniment sections that allow you to vary the arrangement of the accompaniment to match the song you are playing.
They are: Intro, Main (A, B), Fill-in (A, B) and Ending. By switching among them during your performance you can easily produce the dynamic elements of a professional-sounding arrangement in your performance.

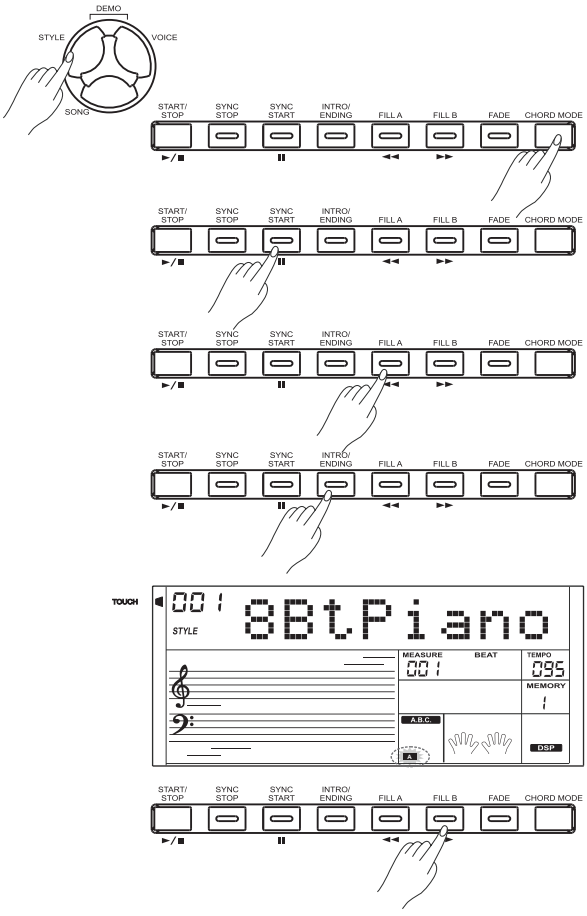
INTRO Section
This is used for the beginning of the song. When the intro finishes playing, accompaniment shifts to the main section.

MAIN Section
This is used for playing the main part of the song. It plays an accompaniment pattern of several measures, and repeats indefinitely until another section's button is pressed.

FILL-IN Section
The fill-in section let you add dynamic variations and breaks in the rhythm of the accompaniment, to make your performance sound even more professional. When the fill-in is finished, it leads smoothly into the selected main section (A, B).

ENDING Section
This is used for the ending of the song. When the ending is finished, the auto accompaniment stops automatically. The length of the ending differs depending on the selected style.

Playing Different Accompaniment Sections



1.Press the [STYLE] button.

2.Select a style.

3.Turn the CHORD MODE on.

4.Turn SYNCHRONIZED START on.

5.Press the [FILL A] button.

6.Press the [INTRO/ENDING] button.
Now the “A” flashes on LCD, the style is ready to play.

7.As soon as you play a chord with your left hand, the auto accompaniment starts. When the playback of the intro is finished, it automatically leads into main A section.

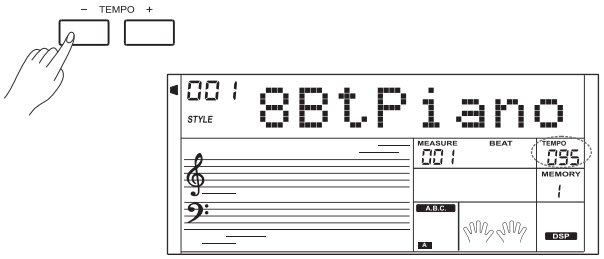
8.Press the [FILL B] button.
A fill-in plays, automatically followed by the main B section.

9.Press the [INTRO/ENDING] button.
Now press the [INTRO/ENDING] again will lead it into the ending section. When the ending is finished, the auto accompaniment automatically stops.

Note:
Hold down the FILL A/B button when the style is playing, the selected FILL pattern repeats continuously until button is released.
Press FILL A/B when style stop, it will change to the normal section, the icon A/B on LCD will be lightened.

Tempo

Each style of the instrument has been programmed with a default or standard tempo; however, this can be changed by using the [TEMPO+/TEMPO-] buttons.



1. Change the tempo.
Use the [TEMPO+] or [TEMPO-] button to change the tempo. While the tempo data is flashing, the data dial can also be used to change the tempo.

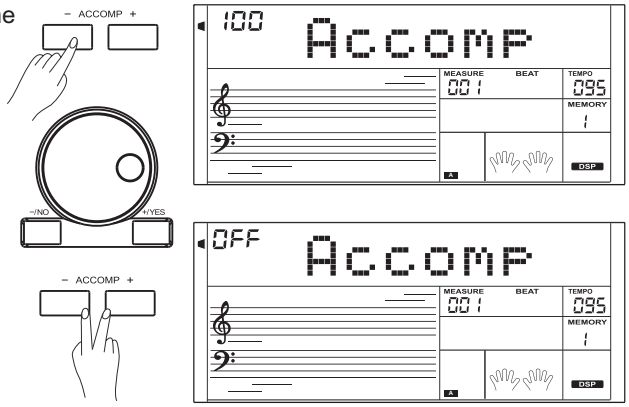
2. To restore the default tempo setting, press the [TEMPO+]/ [TEMPO-] buttons simultaneously.

Accompaniment Volume

1. Press the [ACCOMP +] or [ACCOMP -] button. The LCD displays the current ACCOMP VOLUME value. The value ranges from 0 to 127.

2. Use the data dial, [+/YES] or [-/NO], [ACCOMP +] or [ACCOMP -] button to change the ACCOMP VOLUME value.

3. Press [+/YES] and [-/NO] simultaneously or Press the [ACCOMP +] and [ACCOMP -] simultaneously will set the value to default.



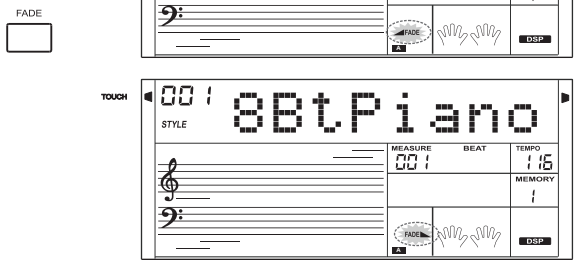
Fade In/Out

Fade In
The Fade In produces smooth fade-ins when starting the Style. Press the [FADE] button when Style playback is stopped and press the [START/STOP] button to start Style playback.

For details on setting the Fade In time, refer to ***Fade in Duration***.

Fade Out
The Fade Out produces smooth fade-outs when stopping the Style. Press the [FADE] button during Style playback.

For details on setting the Fade Out time, refer to ***Fade out Duration.***



Chord Fingering

How the chords are played or indicated with your left hand (in the auto accompaniment section of the keyboard) is referred to as “fingering”. There are 2 types of fingerings as described below. They are chord-finger mode and Full Range mode.

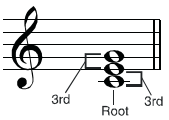
Chord Basics
Three or more notes are played together is defined as a “chord”.
The most basic chord type is the “triad” consisting three notes: the root, third and fifth degree of the corresponding scale. A

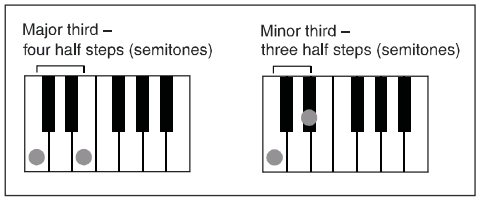
“C major triad”, for example, is made up of the notes C (the root), E (the third note of the C major scale) and G (the fifth note of the C major scale).

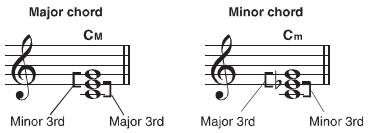
In the C major triad shown, the lowest note is the “root” of the chord (this is the chord's “root position”…using other chord notes for the lowest note results in “inversion”). The root is the central sound of the chord, which supports and anchors the other chord notes. The distance (interval) between adjacent notes of triad in root position is either a major or minor third.

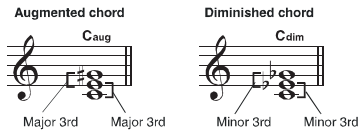
The lowest interval in our root-position trial (between the root and the third) determines whether the triad is a major or minor chord, and we can shift the highest note up or down by a semitone to produce two additional chords, as shown.

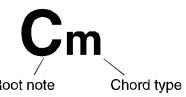
The basic characteristics of the chord sound remain intact even if we change the order of the notes to create different inversions. Successive chords in a chord progression can be smoothly connected, for example, by choosing the appropriate inversions.









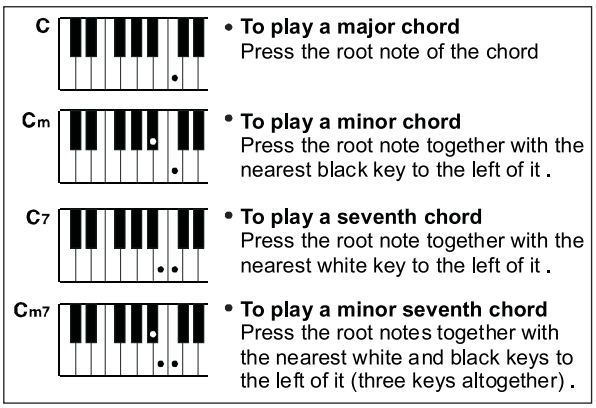


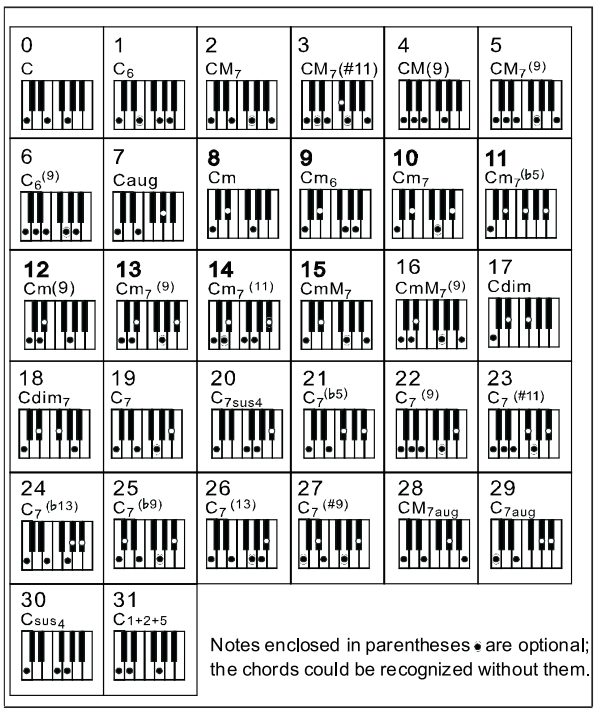
Reading Chord Names
Chord names tell you just about everything you need to know about a chord (other than the inversion/voicing). The chord name tells you what the root of a chord is, whether it is major, minor or diminished, whether it requires a major or flatted seventh, what alterations or tension does it use…all at a glance.

The CHORD FINGER mode
The Chord Finger mode lets you finger your own chords on the AUTO ACCOMPANIMENT section of the keyboard.

SINGLE FINGER
Single-finger accompaniment makes it simple to produce beautifully orchestrated accompaniment using major, seventh, minor and minor-seventh chord by pressing a minimum number of keys on the AUTO ACCOMPANIMENT section of the keyboard.

MULTI-FINGER
This is the default accompaniment mode. You can use either type of single fingering or chord fingering in this mode.



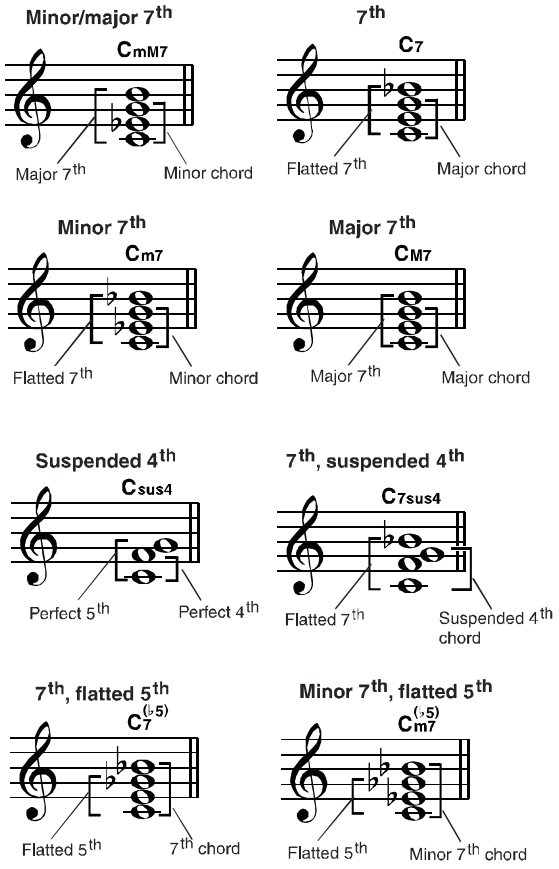


The FULL RANGE mode
When the chord detection is in the FULL RANGE mode, the instrument will automatically create appropriate accompaniment while you play just about anything using both hands, anywhere on the keyboard.

You do not have to worry about specifying the accompaniment chords. The name of detected chord will be displayed. In the FULL RANGE mode, the split point setting for the auto accompaniment will be ignored.

Press the [CHORD MODE] button twice, the icon “FULL RANGE” will be lightened in the LCD.

Some Chord Types



One Touch Setting

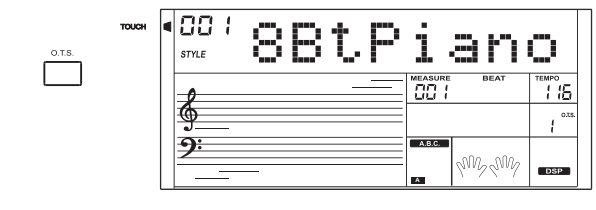
One Touch Setting is a powerful and convenient function that lets you instantly recognize virtually all Auto-accompaniment-related panel settings with the touch of a single button.

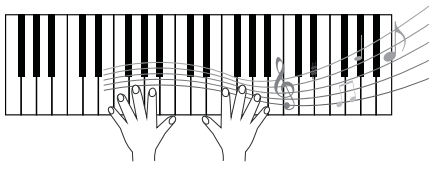
1.Press the [O.T.S.] button to turns on the One Touch Setting for current style.

2.Press one of the [ONE TOUCH SETTING] buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled with just a single button press. Auto accompaniment is automatically turned on during mode.

3.Play the keyboard.

4.Stop the accompaniment.



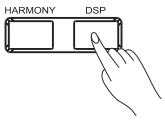


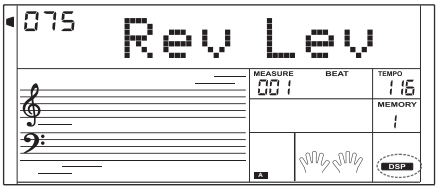
DSP Effect

With the built in digital effects, you can add ambiance and depth to your music in a variety of ways such as adding reverb that makes you sound like you are playing in a concert hall or adding harmony notes for a full, rich sound.

DSP

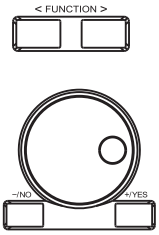
The effect will be applied. Press the DSP button, you can turn on or turn off the DSP effect.

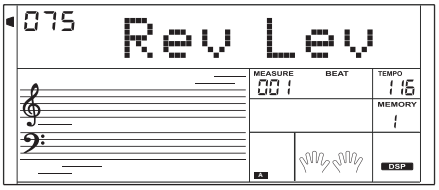




Reverb

The reverb effect makes your performance sound like you are playing in a concert hall, or live in a club.





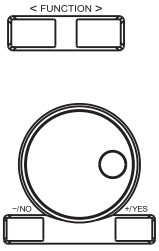
1. Select “REVERB LEVEL”.
Press the [<FUNCTION] or[FUNCTION>] button to select REVERB LEVEL. The LCD displays the reverb level. The level ranges from 0 to 127.

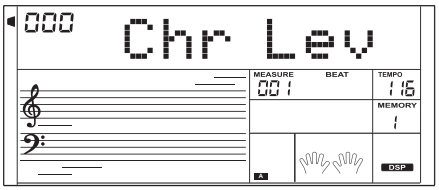
2. Change the reverb level.
Use the data dial, [+/YES] or [-/NO] button to change the reverb level. Press [+/YES] and [-/NO] simultaneously will set the value to default.

3. Play the keyboard to hear the change.

Chorus

The chorus effect makes your playing sounds as though multiple parts were being played together at the same time.





1. Select “CHORUS LEVEL”.
Press the [<FUNCTION] or [FUNCTION>] button to select CHORUS LEVEL. The LCD displays the chorus level. The level ranges from 0 to 127.

2. Change the chorus level.
Use the data dial, [+/YES] or [-/NO] button to change the chorus level.
Press [+/YES] and [-/NO] simultaneously will set the value to default.

3. Play the keyboard to hear the change.

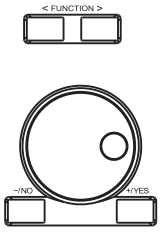
You can add a variety of harmony notes to the keys you played in the right-hand section.

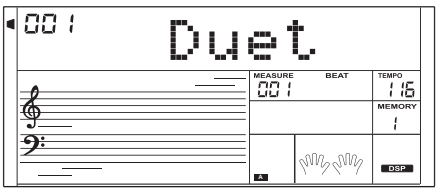
Selecting a Harmony type

1.Select “DUET”.
Press the [<FUNCTION] or [FUNCTION>] button to select Duet. The LCD displays Duet and it is the default harmony type.

2.Change the harmony type.
Use the data dial, [+/YES] or [-/NO] button to change the harmony type. The type of harmony can be chosen as Duet, 1+5, Octave, CtryDuet, Trio, Block, 4Close1, 4Chlose2 and 4Open.

3.Press [+/YES] and [-/NO] simultaneously will set the harmony type to default.





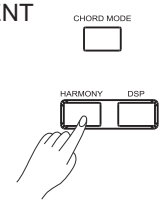
Applying the Harmony effect

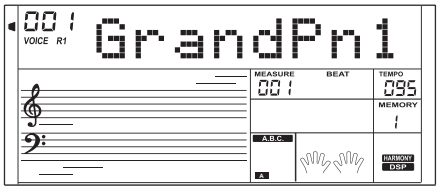
1.Press the [CHORD MODE] button to turn AUTO ACCOMPANIMENT on.

2.Press the [HARMONY] button to turn the harmony effect on.

3.Play a chord with your left hand.

4.Play some notes in the right-hand range of the keyboard.
When a Harmony type is selected, this type automatically add one or more harmony notes to a single-note melody played in the right-hand.



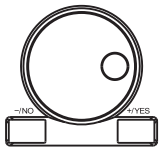


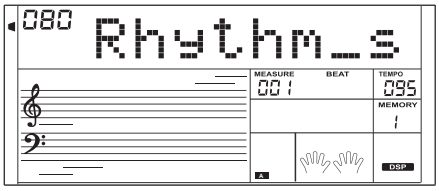
Note:
Harmony can be not turned on when the Full Range fingering mode is selected.
While “1+5” or “Octave” is selected to a Harmony type, you can use the Harmony effect without playing the chord.

Mixer

1.Press the [MIXER] button.
Now you have entered the menu of MIXER. Use the [MIXER] button to select a part to change its volume.

2.Adjust the volume of a musical part.
To adjust the selected volume setting, please use the data dial, the [+/YES] or the [-/NO] button.





The option and the parameters are as the follows:

Option	LCD Display	Range
Rhythm_s VOLUME	XXX Rhythm_s	0-127
Rhythm_m VOLUME	XXX Rhythm_m	0-127
BASS VOLUME	XXX Bass	0-127
Chord 1 VOLUME	XXX Chord1	0-127
Chord 2 VOLUME	XXX Chord2	0-127
Chord 3 VOLUME	XXX Chord3	0-127
Phrase 1 VOLUME	XXX Phrase1	0-127
Phrase 2 VOLUME	XXX Phrase2	0-127
VOICE R1 VOLUME	XXX Upper1	0-127
VOICE R2 VOLUME	XXX Upper2	0-127
VOICE L VOLUME	XXX Lower	0-127
U DISK VOLUME	XXX U_DISK	0-127

Registration Memory

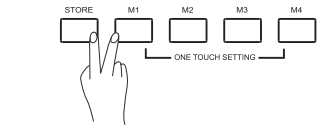
The keyboard is an instrument with a variety of controls and functions, the Registration Memory feature can make your performance more easily and efficiently. It allows you save virtually all panel settings to a Registration Memory setting, and you can instantly recall custom panel settings by pressing a single button.

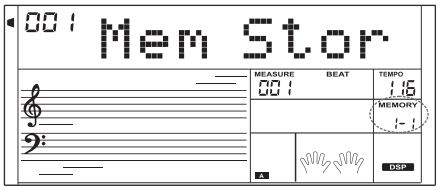
Registering the Panel Settings

There are 8 memory banks, each bank has 4 memories (M1-M4).

1.While holding the [STORE] button, press one of the REGISTRATION MEMORY buttons: [M1] - [M4].

2.Notice the new settings will replace the previous memory data.

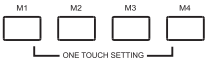


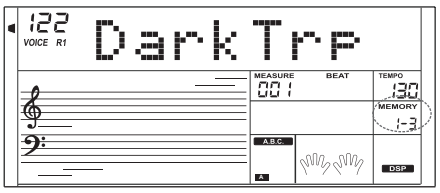


Recalling the Registered Panel Settings

Press one of the REGISTRATION MEMORY buttons: [M1] - [M4].
In this example, the panel settings stored in the memory 3 of bank 1 are recalled.

Note:
Registration data cannot be recalled when the One Touch Setting function is on.

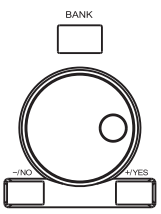


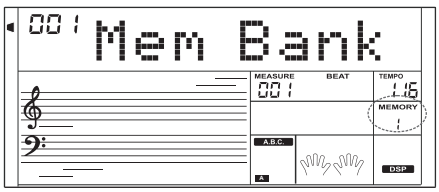


Selecting a Registration Bank

1.Press the [BANK] button.
There are 8 banks in total and each bank has 4 memories (M1-M4).
Press the [BANK] button, the LCD displays “Mem Bank”.

2.Select a bank.
Use the data dial, [+/YES] or [-/NO] button to select a bank.



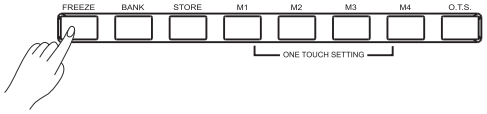


Freeze

If you want to switch voices or effect settings while keeping the same accompaniment parameters when you select other Registration memory, Please use Freeze function.

1. Press the [FREEZE] button to turn the Freeze function on.

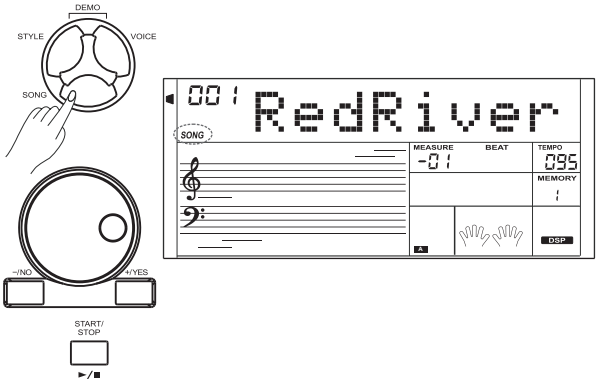
2. Press the [FREEZE] button again to turn the Freeze function off.



Song

The keyboard has a music library of 60 preset songs. Each song can be practiced in LESSON mode.

Listening to the Songs



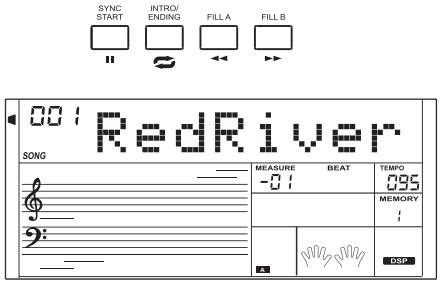
1. Press the [SONG] button to enter the song mode and it will play all songs circularly.

2. Select a song.
Use the data dial, [+/YES] or [-/NO] button to select a song.

3. Play current song repeatedly.
Once you start playing a song by pressing [START/STOP] button, it will play current song repeatedly.

4. Exit the Song mode
When the song is stopped, press [STYLE], [VOICE], [DUAL] or [LOWER] will exit the song mode.

Song Control



1. Introductory beat
Before the song starts playing, it has the introductory beat; the measure starts from negative value. It begins to play the song when the measure goes to 1.

2. REW, FF and PAUSE When the song is playing:
Press the [FF] button to fast forward the song.
Press the [Rew] button to rewind the song (base on the measure).
Press the [Pause] button to pause the playing song.

3. Song Repeat
When playing the song, press [REPEAT A-B] button to set the location of loop begin and loop end to the current song. Press the [REPEAT A-B] to set the loop begin and press it again to set the loop end. When in loop status, press [REPEAT A-B] again to quit the loop playing status.

Lesson Mode

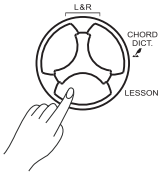
In the instrument, there are 2 different ways to practice the songs: time value training and note correction training. And the keyboard has a grading system to help you to know well about your progress.

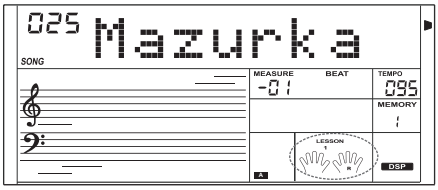
1. Press the [LESSON] button.
In Song mode, press the [LESSON] button will enter the lesson mode.

2. Select the practice hand.
There are 3 levels of the lessons. Use [LEFT] or [RIGHT] button to select which hand you want to practice. If neither hand is selected, The keyboard will automatically select the right hand practice for you.

Note:
According to the type of the song, the content of your practice by left hand is different. If you choose a chord song, the left hand practices the chord, otherwise, practices the melody. When the song is playing, the staff and the keyboard displayed on the LCD indicate the melody and chord position, the numbered musical notation displayed on LCD shows the last note played by RIGHT track, and it will be convenient for you to practice.

Lesson 1 Practice timing

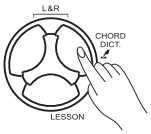




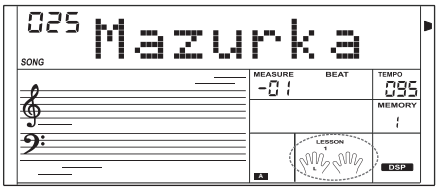
1.Press the [LESSON] button to enter the lesson mode.
Press [LESSON] button to enter the lesson mode, the lesson 1 icon is lightened on the LCD.

In Lesson 1 mode, the keyboard only grade the time value of the playing, don't care the correction of the note.

2.Press the [START/STOP] button to start to practice.
If [RIGHT] is selected, it will mute melody of right hand and you will have to follow the time value of the right hand. As long as the time value is correct, the melody will sound.

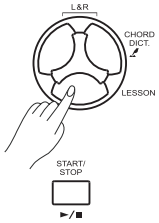


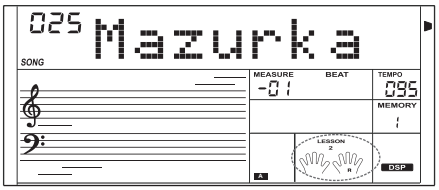
If [LEFT] is selected, it will mute the changing chord and melody by left hand. You will have to follow time value of the left hand. As long as the time value is correct, the chord/melody will sound.



If [LEFT] and [RIGHT] are selected, the chord/melody on left hand and the melody on right hand will be muted. You will have to follow time value on both left and right hand.

Lesson 2 Practice note accuracy

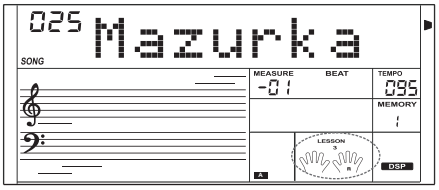




1.Press the [LESSON] button again to enter the lesson 2 mode.
In LESSON 2 mode, the keyboard only grades your practice by the note; doesn't care about the correctness of the timing. Only when you play the correct note, the song will continue to the next note.

2.Press the [START/STOP] button to start to practice.

Lesson 3 - Performance



1.Press the [LESSON] button in LESSON 2 to enter the lesson 3 mode.
In LESSON 3 mode, it will score your practice by the correction of the time value and note.

2.Press the [START/STOP] button to start to practice.

Chord Dictionary

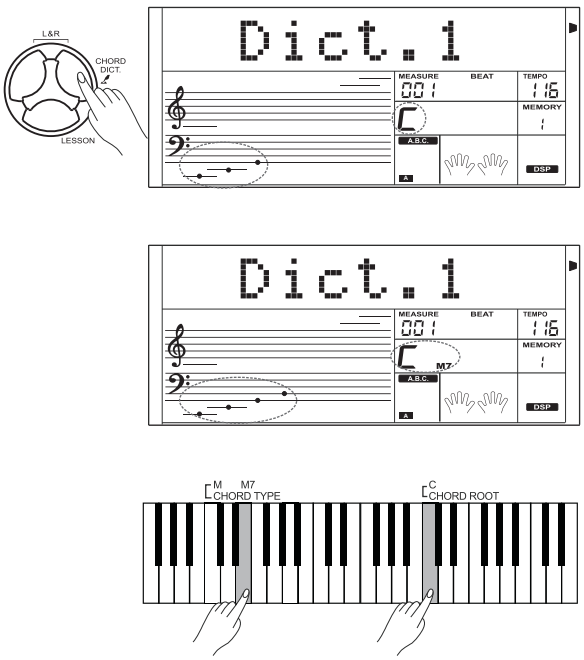
Chord dictionary is essentially a built-in “chord book” that help you to check the chord notes. You can learn the chord and test in this features.

DICT 1 Chord Learning Mode

Press the [CHORD DICT] button and hold it for longer than 2 seconds to enter the DICT 1 mode.

In DICT 1 mode, the key above C4 are used to assign the Chord Type, the keys above C6 are used to assign the Chord Root.
When the Chord Type and Chord Root are confirmed, the LCD will display the Chord and its keyboard position. For example, if you want to play a CM7 Chord, press the C key in the section of the keyboard labeled CHORD ROOT. The root note you set will be shown on the LCD but the note doesn't sound.

Press the M7 key in the section of the keyboard which has labeled CHORD TYPE. The notes you should pay for the specified chord (root and chord type) are shown in the LCD as the notation and also in the keyboard diagram.
When the Chord Type and Chord Root are confirmed, the LCD will display the chord and its keyboard position. A prompt sound will be heard when you play it correctly.

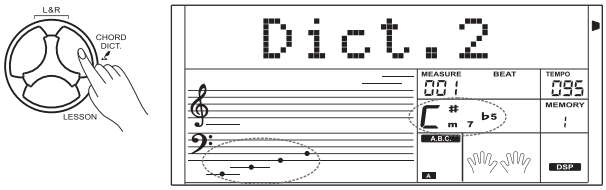


DICT2 Chord Examining Mode

Press the [CHORD DICT] button again to enter the DICT 2 mode. This is an Examining mode. The chord area on the LCD will display a random chord while the keyboard position doesn't display anything on LCD.

When you play the correct chord within 3 seconds, the next chord (random) will be displayed on LCD to wait for the correct chord playing. If not, LCD will display the corresponding keyboard position automatically.

In DICT 2 mode, press the [CHORD DICT] button again to turn off chord dictionary.



24 Chords will be displayed in the dictionary mode as follows:

Chord Root:

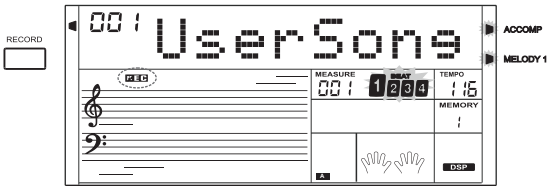
Note	Chord Root	Note	Chord Root
C6	C	F6#	F#/Gb
C6#	C#/Db	G6	G
D6	D	A6b	Ab/G#
E6b	Eb/D#	A6	A
E6	E	B6b	Bb/A#
F6	F	B6	B

Chord Type:

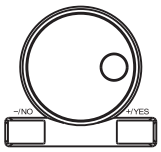
Note	Chord Type	Note	Chord Type
C4	M	C5	7(b9)
C4#	M(9)	C5#	7(9)
D4	6	D5	7(#9)
E4b	mM7	E5b	7(b13)
E4	M7	E5	7(13)
F4	m	F5	7(#11)
F4#	m(9)	F5#	dim7
G4	m6	G5	dim
Ab4	m7(9)	A5b	7aug
A4	m7	A5	aug
B4b	m7b5	B5b	7sus4
B4	7	B5	sus4

With the easy-to-use song recording features, you can record your own keyboard performances as a User song. 3 user songs can be recorded with 6 tracks (1 ACCOMP track, 5 MELODY tracks) each.

Starting Recording



1. Press [RECORD] button to enter the record preparation mode. The "REC" icon, "UserSong" and sequence number will be displayed on the LCD. Use data dial, [+/YES] or [-/NO] button to select the user song you want to record.
Now four beats and "MELODY 1" (or other tracks) on LCD is flashing, indicates waiting for recording.

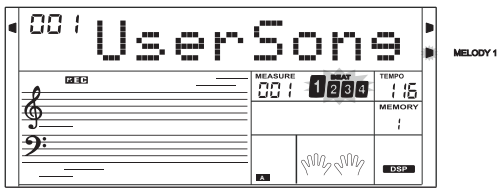


2. Parameters such as voice, style and tempo can be revised.
When recording a new song, the keyboard will automatically select "Melody 1" as the recorded track. Press other track buttons to make your own selection.

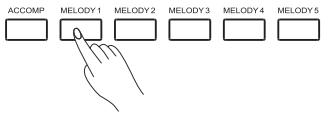
Note: When recording an existing song, the keyboard will automatically select the empty track next to the occupied track. For example, if "Melody 1" is occupied, "Melody 2" will be selected as the recorded track.

When all 6 tracks have been recorded and a specific track needs to be revised. Press the button of the desired track and start recording. The original data will be replaced. Press [START/STOP] button or play the keyboard to start recording.

Choosing Tracks
There are 3 status of the track cursor on the left side of the LCD: Flashing, Light and Darken.
When the cursor is flashing, it indicates the flashing track is the track to be recorded.
When the cursor is lightened, it indicates there has recorded data in this track. The data in this track will be played while recording for another track.
When the cursor is darkened, it indicates there's no data in this track or there's data in this track but it's forbid to play while recording another track.



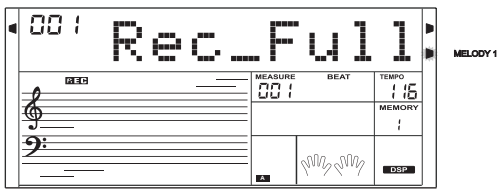
You can press "Accomp" (or "Melody 1" to "Melody 5") to select the desired track. The corresponding track will be switched from the above three states by pressing the track button repeatedly.



Note:
2 melody tracks can't be recorded at the same time. However, you are allowed to record 1 melody track and 1 accompaniment track simultaneously. Style can only be recorded in "Accomp" track.

Stopping Recording

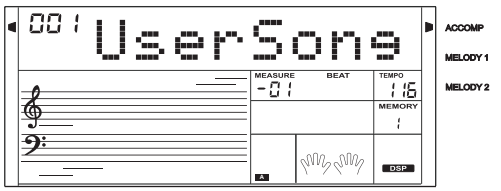
Press [RECORD] again while recording can stop this action immediately.
When the capacity is full, the recording will be stopped automatically.
When the record ending is finished, the recording will be stopped automatically.



Playing back the User Song

1. In the recording preparation status, there is not any track be selected to record (record track will flash while the track be selected).

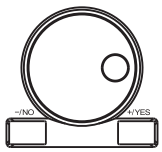
2. Press [START/STOP] to play the record song which you select. It can not play record song if all tracks dark.

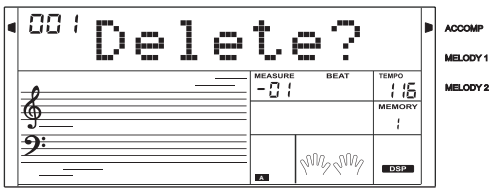


Deleting the User Song

1. In the recording preparation status, press [+/YES] or [-/NO] button to select the user song you want to delete.

2. Pressing and holding [RECORD] button for two second, LCD displays “Delete?”. Press the [+/YES] button to delete the user song.

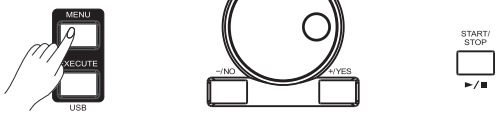




Note:
Hold down [RECORD] and [SONG] button then power on, all recorded data will be erased.

There is a standard U HOST external interface which supports the U Disk of 16M ~ 32G capability. It is compatible with the file system format of the FAT 16/32. It is better to use the U Disk which is formatted by the keyboard. Please don't edit these files which come from the keyboard at PC.

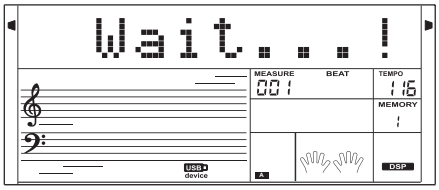
Basic Operations



1. In the U Disk mode, you can use the key as the follows: [MENU], [EXECUTE], [+/YES], [-/NO] and [START/STOP].

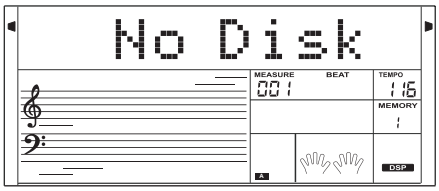
2. Press [MENU] button to enter the U Disk mode, press again to exit U Disk mode.

3. The LCD will display “Wait...!” after you press [MENU] button, then if a U Disk connect to the keyboard and the U Disk initialize ok, LCD display “play”, if the U Disk initialize fail, LCD display “DiskErr!”, if the keyboard don't connect any U Disk, LCD display “No Disk!”.

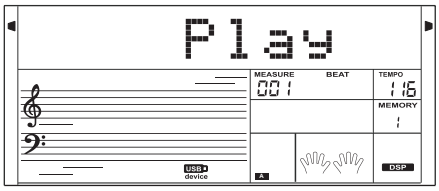


4. In U Disk mode, you can use [+/YES]/ [-/NO] button or data dial to choose menu, press [EXECUTE] button to enter the next operation, press [MENU] to return to previous menu.

5. If the midi file in U Disk could be identified and selected, LCD will display file name and the “FILE” flag sign, if there is no midi file identified inside the current directory, LCD will display sub-directory name and “DIR” sign. The file name will display in ascending order, but you can only select the previous 512 files of the directory. When saving, loading, deleting, formatting, all key will be invalid and LCD display “Wait...!”. You can press [STYLE], [SONG], [VOICE]to exit U Disk mode.



6. When playing midi, press [MIXER] button to adjust playing volume, volume range from 0 to 127.

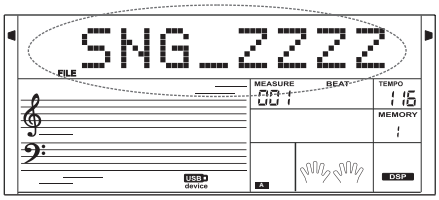


7. You can only deal with file in “MMKD” directory except play and format. LCD will not display directory name when you execute loading, saving and deleting operation.

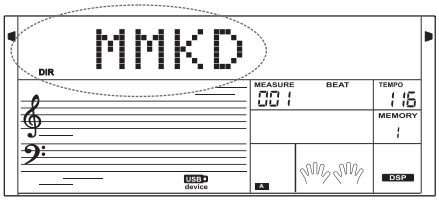
Playing the MIDI File

1. Press [MENU] button to enter U Disk mode, LCD will display “Play”, and then you can use [+/YES]/ [-/NO] button or data dial to select other menu (Load, Save, Delete, Format).

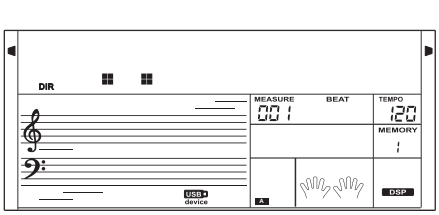
2. Select the menu “Play” and press [EXECUTE] button, LCD will display the MIDI files and directories in the root of the U Disk. If the midi file in U Disk could be identified and selected, LCD will display file name and the “FILE” sign.



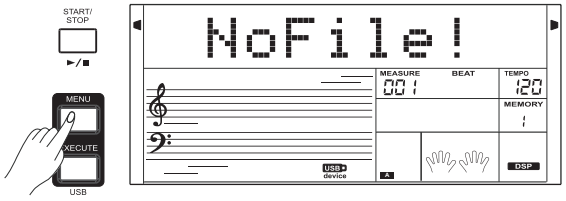
3. If there is no midi file identified inside the current directory, LCD will display the sub-directory name and the “DIR” sign. Press [EXECUTE] button to enter the current sub-directory, then new midi files or sub-directories of the directory will be displayed.



4. If there is neither midi file nor sub-directory in the current directory, LCD will display “..” and the “DIR” sign, you can press [EXECUTE] button to exit the directory.



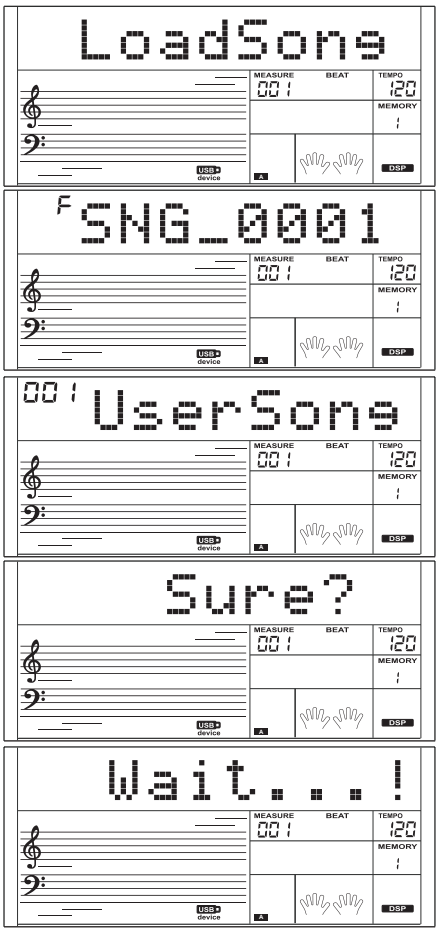
5.If there is neither midi file nor sub-directory in the root, LCD will display “NoFile!”.



6.Use [+/YES]/ [-/NO] button or data dial to select the midi file. Press [START/STOP] button to play it repeatedly. Press [EXECUTE] button to play all files in the current directory circularly. Press [START/STOP] button again to stop playing, press [MENU] button to return to previous menu.

Loading the Backup Data from U Disk

Select the menu “Load” and press [EXECUTE] button, the Load sub menu are displayed on the LCD, it includes “LoadSong”, “LoadSty”, “LoadMem” and “LoadVoc”. Use [+/YES]/ [-/NO] button or data dial to select one.



Load Song

1.Select the menu “LoadSong” and press [EXECUTE] button, the MIDI files in the “SONG” directory of U Disk are displayed on LCD, the main name of the file includes 8 characters, the postfix name is MID. You can select songs by using [+/YES]/ [-/NO] button or data dial.

2.Press [EXECUTE] button to affirm the desired file, the user song number will be displayed on LCD, you can select them by using [+/YES]/ [-/NO] button or data dial.

3.Press [EXECUTE] button, “Sure?” will be displayed on LCD, you can press [EXECUTE]/ [+/YES] button to load the file or press [MENU]/ [-/NO] button to cancel.

Load Style

1.Select the menu “LoadSty” and press [EXECUTE] button, the STY files in the “STYLE” directory of U Disk are displayed on LCD, the main name of the file includes 8 characters, the postfix name is STY. You can select styles by using [+/YES]/ [-/NO] button or data dial.

2.Press [EXECUTE] button to affirm the desired file, the user style number will be displayed on LCD, you can select them by using [+/YES]/ [-/NO] button or data dial.

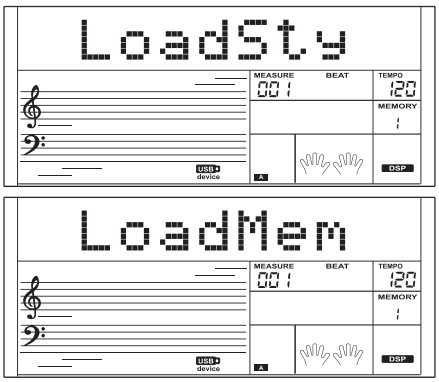
3.Press [EXECUTE] button, “Sure?” will be displayed on LCD, you can press [EXECUTE]/ [+/YES] button to load the file or press [MENU]/ [-/NO] button to cancel.

Load Memory

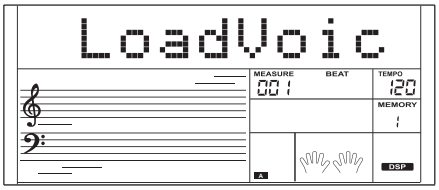
1.Select the menu “LoadMem” and press [EXECUTE] button, the MEM files in the “MEMORY” directory of U Disk are displayed on LCD, the main name of the file includes 8 characters, the postfix name is MEM. You can select styles by using [+/YES]/ [-/NO] button or data dial.

2.Press [EXECUTE] button to affirm the desired file, the user memory number will be displayed on LCD, you can select them by using [+/YES]/ [-/NO] button or data dial.

3.Press [EXECUTE] button, “Sure?” will display on LCD, you can press [EXECUTE]/[+/YES]button to load the file or press [MENU]/[-/NO]button to cancel.



Load Voice

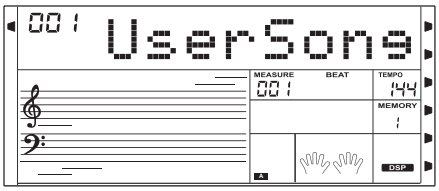


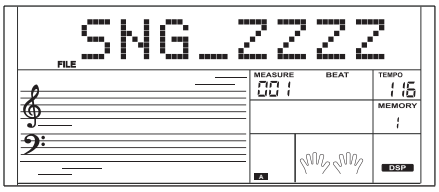
1.Select the “LoadVoc” menu and press [EXECUTE] button, the VOC files in the “VOICE” directory of U Disk are displayed on LCD, the main name of the file includes 8 characters, the postfix name is VOC, you can select styles by using [+/YES]/[-/NO]button or data dial.

2.Press [EXECUTE] button to affirm the desired file, the user voice number will be displayed on LCD, you can select them by using [+/YES]/ [-/NO] button or data dial.

3.Press [EXECUTE] button, “Sure?” will be displayed on LCD, you can press [EXECUTE]/ [+/YES] button to load the file or press [MENU]/ [-/NO] button to cancel.

Saving the Data to U Disk



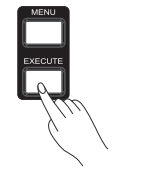


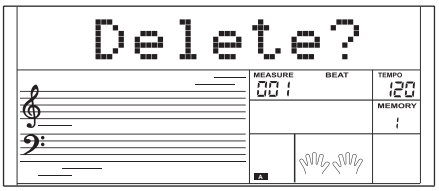
1.Select “Save” menu and press [EXECUTE] button, the save sub menu are displayed on LCD, including “SaveSong”, “SaveSty”, “SaveMem” and “SaveVoc”. You can select them by using data dial or [+/YES]/ [-/NO] button.

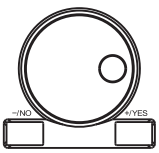
2.Select what you want and press [EXECUTE] button, if the desired file is empty, LCD will display “NoFile!”, and then LCD will display previous menu after about two second, otherwise, you can play the keyboard to input file name and you can only input file name in capital letters, the shift key is invalid in this mode, the maximum of the file name length is 8 letter.

3.Press [EXECUTE] button to save the file after file name inputs finish, if the current directory have the same name, “SameName” will be displayed on LCD. Otherwise, “Sure?” will be displayed on LCD. You just need to press [EXECUTE] or [+/YES] button to save the file.

Deleting the file in U Disk







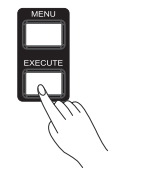
1.Select the “Delete” menu and press [EXECUTE] button, the delete sub menu is displayed on LCD, including “UserSong”, “UserSty”, “UserMem” and “UserVoc”. Use [+/YES]/ [-/NO] button or data dial to select one.

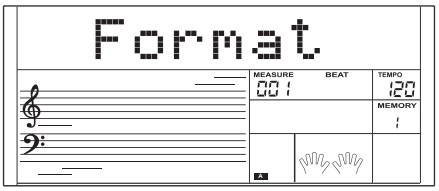
2.Select the menu which you want and press [EXECUTE]button, if the default directory have the file which accord with the menu, the file name will be displayed on LCD, otherwise, LCD display “NoFile!”, and then LCD will display the previous menu after about two second.

3.Select a file which you want to delete and press [EXECUTE] button, “Sure?” will be displayed on LCD, press [EXECUTE] or [+/YES] button to delete the file.

Formatting the U Disk

Select the menu “Format” and press [EXECUTE] button, “Sure?” is displayed on LCD. Press [EXECUTE] button to format the U Disk.



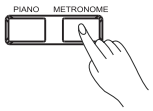


Other Functions

Turning the Metronome ON/OFF

1.Press the [METRONOME] button to turn the metronome on.

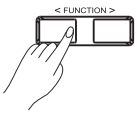
2.Press the [METRONOME] button again to turn the metronome off.

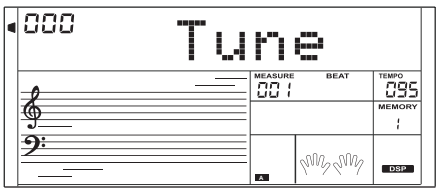


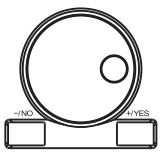
Tuning

1.Select “TUNE”.
Use [<FUNCTION]/ [FUNCTION>] button to select TUNE. The LCD displays the tune value. The value ranges from -50 to 50 and the default value is 0.
The function sets the overall pitch of the instrument.

2.Change the tune value.
Use the data dial, [+/YES] or [-/NO] button to change the tune value.
Press [+/YES] and [-/NO] simultaneously will set the value to default.



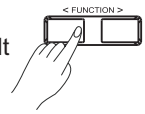


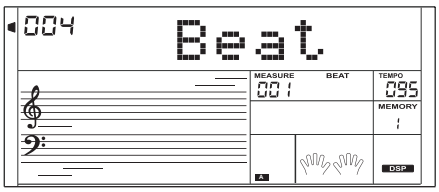


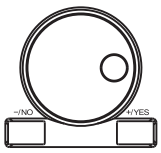
Selecting the Beat

1.Select “BEAT”.
Use [<FUNCTION]/ [FUNCTION>] button to select BEAT. The LCD displays the beat value. The value ranges from 2-9 and 0. The default value is 4.

2.Change the beat value.
Use the data dial, [+/YES] or [-/NO] button to change the beat value.
Press [+/YES] and [-/NO] simultaneously will set the value to default.





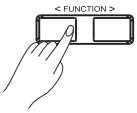


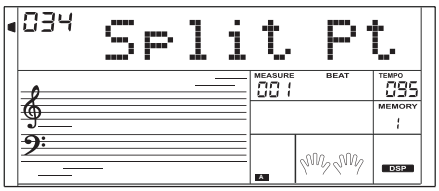
Setting the Split Point

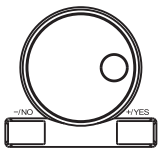
The point on the keyboard that separates the auto accompaniment section and the right-hand section of the keyboard is called the “split point”.
When the auto accompaniment is on, keys played to the left of the split point are used for controlling the auto accompaniment. When the auto accompaniment is off, keys played to the left of the split point are used for playing voice lower.

1.Select “SPLIT POINT”.
Use [<FUNCTION]/ [FUNCTION>] button to select SPLIT POINT.
The LCD displays the default split point is 034 (#F3/G3).

2.Change the split.
Use the data dial, [+/YES] or [-/NO] button to change the split point and you can simply press a key on the keyboard to set it as the split point.
Press [+/YES] and [-/NO] simultaneously will set the split point to default.



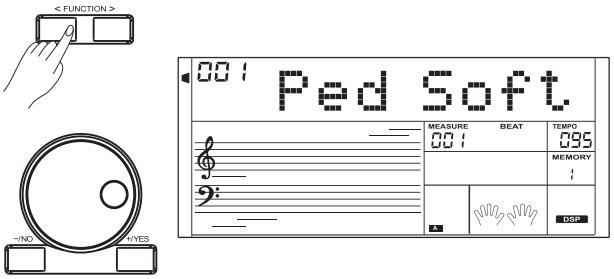




Pedal Assign

1.Select “Ped Soft”.
Use [<FUNCTION]/ [FUNCTION>] button to select pedal assign.

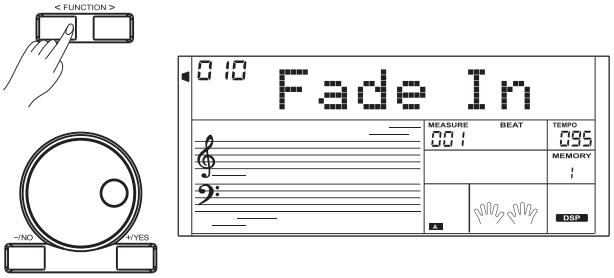
2.There are three pedal functions you can select: Soft Pedal, Memroy Select Pedal and Start/Stop Pedal. Press [+/YES] and [-/NO] simultaneously will set the pedal type to default.



Fade In Duration

1.Select “FADE IN”.
Use [<FUNCTION]/ [FUNCTION>] button to select FADE IN. The LCD displays the time value. The value ranges from 1 to 20 seconds and the default value is 10.

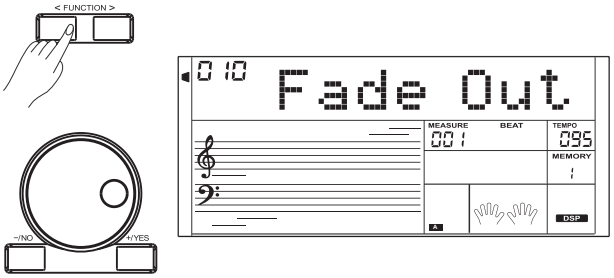
2.Change the time value.
Use the data dial, [+/YES] or [-/NO] button to change the fade in time value.
Press [+/YES] and [-/NO] simultaneously will set the value to default.



Fade Out Duration

1.Select “FADE OUT”.
Use [<FUNCTION]/ [FUNCTION>] button to select FADE OUT. The LCD displays the time value. The value ranges from 1 to 20 seconds and the default value is 10.

2.Change the time value.
Use the data dial, [+/YES] or [-/NO] button to change the fade out time value.
Press [+/YES] and [-/NO] simultaneously will set the value to default.

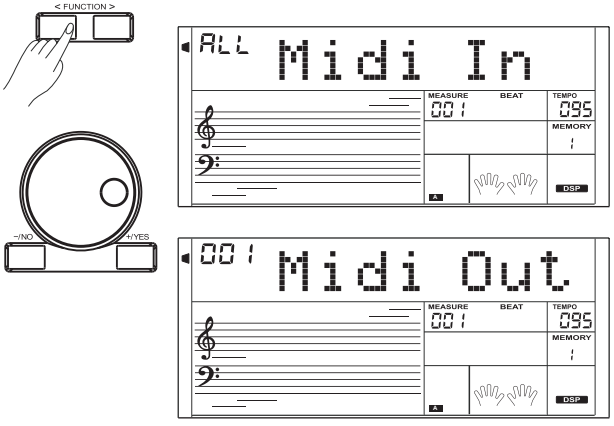


MIDI Setting

1.Select “MIDI IN” or “MIDI OUT”.
Use [<FUNCTION]/ [FUNCTION>] button to select Midi In.

MIDI IN
The default setting is “all”. Otherwise, channel 1 to 16 can also be selected.
MIDI OUT
The default setting is “001”. Otherwise, there are total of 16 channels for selection.

2.Change the channel.
Use the data dial, [+/YES] or [-/NO] button to select the channel.
Press [+/YES] and [-/NO] simultaneously will set the setting to default.



MIDI Functions

By using the MIDI functions you can expand your musical possibilities. This section explains what MIDI is, and what it can do, as well as how you can use MIDI on your instrument.

What's MIDI?

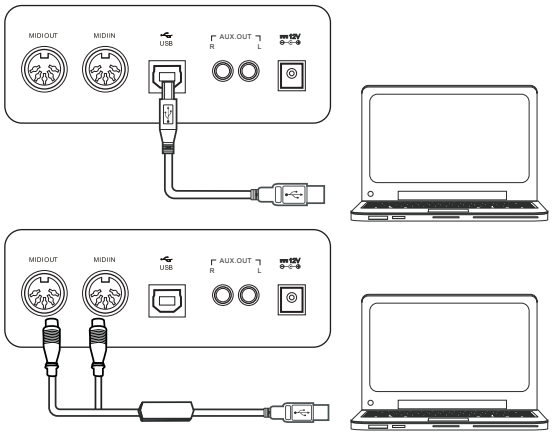
MIDI is an acronym that stands for Musical Instrument Digital Interface, which allows electronic musical instruments to communicate with each other, by sending and receiving compatible Note, Control Change, Program Change and various other types of MIDI data, or messages. The instrument can control a MIDI device by transmitting note related data and various types of controller data. The instrument can be controlled by the incoming MIDI messages which automatically determine tone generator mode, select MIDI channels, voices and effects, change parameter values and of course play the voices specified for the various parts. MIDI messages can be divided into two groups: Channel messages and System messages.

MIDI Terminals

In order to exchange MIDI data between multiple devices, each device must be connected by a cable.

MIDI IN: Receives MIDI data from a computer.
MIDI OUT: Transmits the instrument information as MIDI data to another MIDI device.

Note:
Activate the computer from a sleep/suspended/standby mode before connecting the USB cable.
Connect the USB cable to the instrument and a computer before turning the power of the instrument on.



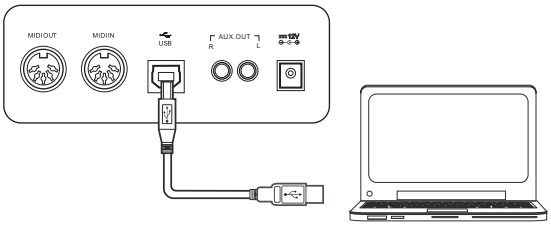
Downloading Data from the Computer

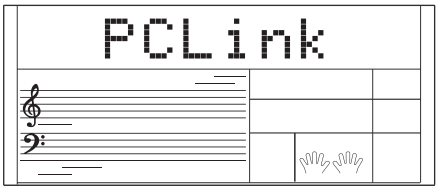
Connect a standard USB cable between the rear-panel of the USB jack of the instrument and the USB jack on your computer.

Power on the instrument first, and then open the PCSUITE software in your computer, the “PCLINK..” will be displayed on LCD. The PCSUITE will connect successfully with the instrument.

You can download SMF MIDI files to the keyboard as user songs or upload the user songs.
You can upload user styles to the computer as a backup or download them to the keyboard.
You can upload user voices to the computer as a backup or download them to the keyboard.
You can upload memory files to the computer as a backup or download them to the keyboard.

Concrete operating methods see software operation instructions!





Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a “pop” sound whenever the power is turned ON or OFF.	This is normal and is no cause for alarm.
No sound when the keyboard is played.	The R1/R2/L voice volume (Mixer) settings could be set too low. Make sure the voice volumes are set at appropriate levels.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
The auto accompaniment does not play back even Sync is in standby condition and a key is pressed.	You may be trying to start accompaniment by playing a key in the right-hand range of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand range of the keyboard.
Certain notes sound at wrong pitch.	Make sure that the tuning value is set to “0”. Press and hold the [+/YES] and [-/NO] buttons at the same time, then turning the power on will set INSTRUMENT to default.
The Harmony function does not operate.	Harmony cannot be turned on when the Full Keyboard fingering mode is selected. And Harmony cannot be turned on when a drum kit is selected for the voice R1.

Specifications

LCD Display
Multi-functional LCD

Keys
88

Polyphony
64

Voice
310, include 10 user voices

Style
133, include 3 user styles

Song
63, include 3 user songs

Demo
2

Control button
Power on/off switch, Volume, Brilliance, Transpose+/-, Accomp+/-, Tempo+/-, Mixer, Function Back, Function Next, Lesson, Left, Right/Chord Dict., Freeze, Bank, Store, M1-M4, O.T.S., +/Yes, -/No, Style, Voice, Song, Piano, Metronome, Dual, Touch, Sustain, Lower, DSP, Harmony.

Accompaniment Control
Start/Stop, Sync Stop, Sync Start[Pause], Intro/End/Repeat A-B, Fill-in A [FF], Fill-in B [Rew], Fade, Chord Mode.

Record Function
Record, Accomp, Melody 1, Melody 2, Melody 3, Melody 4, Melody 5.

Panel Memory
32

Connectors
DC IN, HeadphonesX2, AUX OUT, MIDI IN, MIDI OUT, USB-MIDI, USB-HOST, Sustain Pedal, Sostenuto Pedal, Soft Pedal.

Power Supply
12V

Speaker
25W+25W, 25W+25W.

Dimensions
1366(W) x 529(D) x 836(H)mm

Weight
54KG

* All specifications and appearances are subject to change without notice.

Voice List

No.	Name	LCD Name
PIANO		
1	Acoustic Grand Piano 1	GrandPn1
2	Stereo Grand Piano 1	StGrPn1
3	Acoustic Grand Piano 2	GrandPn2
4	Bright Piano	BrightPn
5	Stereo Grand Piano 2	StGrPn2
6	Electric Grand Piano	E.Grand
7	Grand Piano / W	GrPnoW
8	Honky-Tonk	HnkyTonk
9	Honky-Tonk / W	HonkyTW
10	E.Piano 1	E.Piano1
11	Detuned E.Piano 1	DetEP1
12	E.Piano 1 / V	EP1V
13	60's E.Piano	60'sEP
14	E.Piano 2	E.Piano2
15	Detuned E.Piano 2	DetEP2
16	E.Piano 2 / V	EP2V
17	EP Legend	EPLegend
18	EP Phase	EPPhase
19	Harpsichord	Harpsi
20	Coupl Harpsichord	CouplHps
21	Harpsichord / W	HarpsW
22	Harpsichord / O	HarpsOff
23	Clavichord	Clavi
24	Pulse Clavichord	PulseClv
MALLET		
25	Celesta	Celesta
26	Glockenspiel	Glocken
27	Music Box	MusicBox
28	Vibraphone	Vibra
29	Vibraphone / W	VibraW
30	Marimba	Marimba
31	Marimba / W	MarimbaW
32	Xylophone	Xylophon
33	Tubular Bell	TubulBel
34	Church Bell	ChurBell
35	Carillon	Carillon
36	Dulcimer	Dulcimer
ORGAN		
37	Drawbar Organ	DrawOrgn
38	Detuned Organ 1	DetunOr1
39	60's Organ	60'sOrgn
40	Organ 1	Organ1
41	Percussive Organ	PercOrgn
42	Detuned Organ 2	DetunOr2
43	Organ 2	Organ2
44	Rock Organ	RockOrgn
45	Church Organ 1	ChurOr1
46	Church Organ 2	ChurOr2
47	Church Organ 3	ChurOr3
48	Reed Organ	ReedOrgn
49	Puff Organ	PuffOrgn
50	Accordion	Acordion
51	Accordion Italy	AcordinI
52	Harmonica	Harmnica
53	Tango Accordion	TangoAcd
GUITAR		
54	Nylon Guitar 1	NylonGt1
55	Ukulele	Ukulele
56	Nylon Open	NylonO
57	Nylon Guitar 2	NylonGt2
58	Steel Guitar	SteelGtr
59	12 Strings Guitar	12StrGtr
60	Mandolin	Mandolin
61	Steel+Body	Stel+Bdy
62	Jazz Guitar	JazzGtr
63	Pedal Steel	PdlSteel
64	Clean Guitar	CleanGtr
65	Clean Harf	ClnHarf
66	Mid Tone Guitar	MidTone
67	Muted Guitar	MuteGtr
68	Funk Guitar 1	FunkGt1
69	Funk Guitar 2	FunkGt2
70	Jazz Man	JazzMan
71	Overdriven Guitar	Ovrdrive
72	Guitar Pinch	GtPinch
73	Distortion Guitar	DistGtr
74	Feedback Guitar	FeedbkGt
75	Distorted Rhythm Guitar	DistRyth
76	Guitar Harmonics	GtrHarmo
77	Guitar Feedback	GtFeedbk
BASS		
78	Acoustic Bass	AcoBass
79	Finger Bass	FingBass
80	Finger Jazz Bass	FingJBas
81	Pick Bass	PickBass
82	Fretless Bass	Fretless
83	Slap Bass 1	SlapBas1
84	Slap Bass 2	SlapBas2
85	Synth Bass 1	SynBass1
86	Synth Bass 101	SynBs101
87	Acid Bass	AcidBass
88	Clavichord Bass	ClaviBas
89	Hammer	Hammer
90	Synth Bass 2	SynBass2
91	Beef FM Bass	BeefFMBs
92	Rubber Bass	RubBass
93	Attack Pulse	AtackPls
STRINGS		
94	Violin	Violin
95	Slow Violin	SlowVln
96	Viola	Viola
97	Cello	Cello
98	Contrabass	Contrabs
99	Tremolo Strings	TremStr
100	Pizzicato Strings	PizzStr
101	Orchestral Harp 1	Harp1
102	Orchestral Harp 2	Harp2
103	Timpani	Timpani
104	Strings	Strings
105	Orchestra	Orkestra
106	60's Strings	60'sStr
107	Slow Strings	SlString
108	Synth Strings 1	SynStrs1
109	Synth Strings 2	SynStrs2
110	Synth Strings 3	SynStrs3
111	Choir Aahs 1	ChoirAh1
112	Choir Aahs 2	ChoirAh2
113	Voice Oohs	VoiceOoh
114	Hamming	Hamming
115	Synth Voice	SynVoice
116	Ana Voice	AnaVoice
117	Orchestra Hit	OrchHit
118	Bass Hit	BassHit
119	6th Hit	6thHit
120	Europe Hit	EuroHit
BRASS		
121	Trumpet	Trumpet
122	Dark Trumpet	DarkTrp
123	Trombone 1	Trmbone1
124	Trombone 2	Trmbone2
125	Bright Bone	BritBone
126	Tuba	Tuba
127	Muted Trumpet 1	MuteTrp1
128	Muted Trumpet 2	MuteTrp2
129	French Horns 1	FrHorn1
130	French Horns 2	FrHorn2
131	Brass Section 1	Brass1
132	Brass Section 2	Brass2
133	Synth Brass 1	SynBras1
134	Synth Brass 2	SynBras2
135	Analog Synth Brass 1	ASynBrs1
136	Jump Brass	JmpBrass
137	Synth Brass 3	SynBras3
138	Synth Brass 4	SynBras4
139	Analog Synth Brass 2	ASynBrs2
REED		
140	Soprano Sax	SprnoSax
141	Alto Sax	AltoSax
142	Tenor Sax	TenorSax
143	Baritone Sax	BariSax
144	Oboe	Oboe
145	English Horn	EngHorn
146	Bassoon	Bassoon
147	Clarinet	Clarinet
PIPE		
148	Piccolo	Piccolo
149	Flute	Flute
150	Recorder	Recorder
151	Pan Flute	PanFlute
152	Bottle Blow	Bottle
153	Shakuhachi	Shakhchi
154	Whistle	Whistle
155	Ocarina	Ocarina
LEAD		
156	Square Wave	SquareLd
157	Square	Square
158	Sine Wave	SineWave
159	Saw Wave	SawLead
160	Saw	Saw
161	Doctor Solo	DoctSolo
162	Natural Lead	NatuLead
163	Sequenced Saw	SequSaw

164	Synth Calliope	CaliopLd
165	Chiff Lead	ChiffLd
166	Charang	CharanLd
167	Wire Lead	WireLead
168	Solo Voice	VoiceLd
169	5th Saw Wave	FifthLd
170	Bass & Lead	Bass&Ld
171	Delay Lead	DelayLd
PAD		
172	NewAge Pad	NewAgePd
173	Warm Pad	WarmPad
174	Sine Pad	SinePad
175	Poly Synth	PolySyPd
176	Space Choir	ChoirPad
177	Itopia	Itopia
178	Bowed Glass	BowedPad
179	Metal Pad	MetalPad
180	Halo Pad	HaloPad
181	Sweep Pad	SweepPad
EFFECTS		
182	Fx Rain	FxRain
183	Sound Track	SoundTrk
184	Crystal	Crystal
185	Synth Mallet	SynMalet
186	Atmosphere	Atmosphr
187	Brightness	Bright
188	Goblins	Goblins
189	Echo Drops	Echoes
190	Echo Bell	EchoBell
191	Echo Pan	EchoPan
192	Sci-Fi	Sci-Fi
ETHNIC		
193	Sitar 1	Sitar1
194	Sitar 2	Sitar2
195	Banjo	Banjo
196	Shamisen	Shamisen
197	Koto	Koto
198	Taisho Koto	TaishoKt
199	Kalimba	Kalimba
200	Bag Pipe	BagPipe
201	Fiddle	Fiddle
202	Shanai	Shanai
PERCUSSIVE		
203	Tinkle Bell	TnklBell
204	Agogo	Agogo
205	Steel Drums	SteelDrm
206	Wood Block	WoodBlok
207	Castanet	Castanet
208	Taiko	TaikoDrm
209	Concert Bass Drum	ConctBD
210	Melodic Tom 1	MeldTom1
211	Melodic Tom 2	MeldTom2
212	Synth Drum	SynDrum
213	808 Tom	808Tom
214	Electric Percussion	ElecPerc
215	Reverse Cymbal	RevCymba
SOUND EFFECTS		
216	Guitar Noise	GtNoise
217	Guitar Cut Noise	GtCutNos
218	Slap String Bass	SlapStBs
219	Breath Noise	BrtNoise
220	Flute Key Click	FlKeyClk
221	Seashore	Seashore
222	Rain	Rain
223	Thunder	Thunder
224	Wind	Wind
225	Stream	Stream
226	Bubble	Bubble
227	Bird Tweet 1	Tweet1
228	Dog	Dog
229	Horse Gallop	HorseGlp
230	Bird Tweet 2	Tweet2
231	Telephone 1	Telphon1
232	Telephone 2	Telphon2
233	Door Creak	DoorCrek
234	Door	Door
235	Scratch	Scratch
236	Wind Chimes	WindChm
237	Helicopter	Helicptr
238	Car Engine	CarEngin
239	Car Stop	CarStop
240	Car Pass	CarPass
241	Car Crash	CarCrsh
242	Siren	Siren
243	Train	Train
244	Jetplane	Jetplane
245	Starship	Starship
246	Burst Noise	BurtNois
247	Applause	Applause
248	Laughing	Laughing
249	Screaming	Screming
250	Punch	Punch
251	Heart Beat	HeartBet
252	Footsteps	Footstep
253	Gunshot	Gunshot
254	Machine Gun	MachnGun
255	Laser Gun	LaserGun
256	Explosion	Explosio
CHINA		
257	PiPa 1	PiPa1
258	PiPa 2	PiPa2
259	YueQin	YueQin
260	LiuQin	LiuQin
261	GuQin	GuQin
262	GuZheng	GuZheng
263	GuZheng Harmonic	GuZhengH
264	YangQin	YangQin
265	YangQin Tremolo	YangQinT
266	DuXianQin	DuXian
267	ReWaPu	ReWaPu
268	SanXian	SanXian
269	SanXian Tremolo	SanXianT
270	ErHu	ErHu
271	GaoHu	GaoHu
272	High SuoNa	HiSuoNa
273	SuoNa & Luo	SuoNaLuo
274	LuSheng	LuSheng
275	GuanZi	GuanZi
276	HouGuan	HouGuan
277	NaZi	NaZi
278	QuDi	QuDi
279	Xiao	Xiao
280	BaWu	BaWu
ARABIC		
281	Tar	Tar
282	Arabia Organ	ArabOrg
283	Sourna	Sourna
284	Nay	Nay
285	Aoud	Aoud
286	Kanoun	Kanoun
287	Sitar 3	Sitar3
288	Saz	Saz
DRUM		
289	Standard Kit	StdKit
290	Room Kit	RoomKit
291	Power Kit	PowerKit
292	Electric Kit	ElecKit
293	Analog Kit	AnlgKit
294	Jazz Kit	JazzKit
295	Brush Kit	BrushKit
296	Orchestra Kit	OkstKit
297	Sfx Kit	SfxKit
298	Chinese Kit	ChnKit
299	Tabla Kit	TblaKit
300	Reass Kit	ReasKit

Style List

No.	Name	LCD Name
8BEAT		
1	8Beat Piano	8BtPiano
2	8Beat Pop	8BtPop
3	Pop Funk	PopFunk
4	Rhythm & Beat	Rhy&Bt2
5	8Beat Disco	8BtDisco
6	8Beat Rock	8BtRock
7	Guitar Pop 1	GtPop1
8	8Beat 1	8Beat1
9	8Beat Dance	8BtDance
10	8Beat 2	8Beat2
16BEAT		
11	Pop 16Beat 1	Pop16Bt1
12	16Beat Funk	16BtFunk
13	16Beat Dance	16BDance
14	Pop 16Beat 2	Pop16Bt2
15	16Beat 1	16Beat1
16	16Beat Hot	16BtHot
17	16Beat Modern	16BModrn
18	Cool Beat	CoolBeat
19	16Beat 2	16Beat2
20	Pop Shffle	PopShfl
POP & BALLAD		
21	6/8 Pop	6/8Pop
22	Pop Dance	PopDance
23	Pop Fusion	PopFusn
24	Pop Hit	PopHit
25	Fusion Shuffle	FusShufl
26	Analog Night	AnalogNt
27	Guitar Pop 2	GtPop2
28	Pop Beat	PopBeat
29	Soft Ballad	SoftBald
30	Natural Ballad	NatuBld
31	Love Ballad	LoveBld
32	Slow Ballad	SlowBald
33	Pop Ballad	PopBld
34	Piano Pop	PianoPop
35	Sweet Pop	SweetPop
ROCK		
36	Slow Rock	SlowRock
37	70's Rock&Roll	70'sRock
38	Soft Rock	SoftRock
39	Pop Rock	PopRock
40	Easy Rock	EasyRock
41	New Shuffle	NewShufl
42	R'N'R 1	R'N'R1
43	Rock Shuffle 1	RockShf1
44	R'N'R 2	R'N'R2
45	Rock Shuffle 2	RockShf2
BALLROOM		
46	Twist	Twist
47	Big Band Fox	BandFox
48	Tango	Tango
49	Slow Fox	SlowFox
50	Slow Waltz 1	SlowWlz1
51	Salsa 1	Salsa1
52	Cha Cha 1	ChaCha1
53	Cha Cha 2	ChaCha2
54	Beguine 1	Beguine1
55	Beguine 2	Beguine2
56	Rumba 1	Rumba1
57	Samba 1	Samba1
58	Samba 2	Samba2
59	Jive	Jive
60	Fox Trot	FoxTrot
DANCE		
61	Down Beat	DownBeat
62	Techno	Techno
63	Hip Hop 1	HipHop1
64	Rap	Rap
65	Disco	Disco
66	Soft Disco	SoftDisc
67	Disco Party	DscParty
68	70's Disco Funk	70'sFunk
69	Sky	Sky
70	Hip Hop 2	HipHop2
SOUL & FUNK & JAZZ		
71	Jay R&B	JayR&B
72	Gospel Swing	GopSwing
73	Groove Funk	GrooveFk
74	Rubber Funk	RubberFk
75	Soul	Soul
76	Hip Hop Beat	HipHopBt
77	R&B	R&B
78	Swing	Swing
79	Latin Jazz	LatinJz
80	Acid Jazz	AcidJazz
81	Cool Jazz Ballad	CoolJzBd
82	Swing Shuffle	SwingSfl
83	40's Big Band	40'sBand
84	Modern Jazz Ballad	MdJzBald
85	Orchestra Swing	OrhSwing
COUNTRY		
86	Bluegrass	Bluegras
87	Modern Country	ModernCt
88	Country Pop	CntryPop
89	2/4 Country	2/4Cntry
90	Country Folk	CntyFolk
LATIN/LATIN DANCE		
91	Bossa Nova	BosaNov
92	Latin	Latin
93	Dance Reggae	DanRegga
94	Pasodoble	Pasodobl
95	Disco Samba	DscSamba
96	Mambo	Mambo
97	Rumba 2	Rumba2
98	Rumba 3	Rumba3
99	Pop Cha Cha	PChaCha
100	Salsa 2	Salsa2
WALTZ & TRADITIONAL		
101	Waltz	Waltz
102	Old Waltz	OldWaltz
103	German Waltz	GemWaltz
104	Italian Mazurka	ItaMazuk
105	Mariachi Waltz	MariWltz
106	Vienna Waltz	VinaWtz
107	Slow Waltz 2	SlwWltz2
108	Polka 1	Polka1
109	German Polka	GerPolka
110	March 1	March1
111	Polka 2	Polka2
112	US March	USMarch
113	Musette	Musette
114	Mazurke	Mazurke
115	March 2	March2
WORLD & CHINESE		
116	Enka Ballad	EnkaBald
117	Venezia	Venezia
118	6/8 Flipper	6/8Flipp
119	Norteno	Norteno
120	Dangdut	Dangdut
121	DaiZu Folk	DaiZu
122	XinJiang Dance	XinJiang
123	JiangNan Folk	JiangNan
124	Korea Folk	Korea
125	ZangZu Folk	ZangZu
126	XinJiang Folk	XJangFok
127	YunNan	YunNan
128	NeiMengGu	NeiMeng
129	Jubilance	Jubilanc
130	Oriental Modern Dance	OrlDance

No.	Name	LCD Name
FOLK & COUNTRY		
1	Red River Valley	RedRiver
2	Troika	Troika
3	Susanna	Susanna
4	Cai Yun Zhui Yue	CaiYun
5	Wave Of Danube	Danube
6	Long Long Ago	LongAgo
7	Bridge	Bridge
8	Jambalaya	Jambalay
9	Sippin'Cider Through A Straw	SCTStraw
10	Santa Lucia	SantaLuc
CLASSICAL		
11	Wiegenlied	Wiegenli
12	La Traviata	LaTravia
13	Aida	Aida
14	Carmen-Prelude	Carmen2
15	Rigoletto	Rigolett
16	Uungarische Tanz	Uungaris
17	Prelude To Act 2 (Swan Lake)	SwanLake
18	Musical Moments	MusiMome
19	Pizzicato Polka	Polka
20	L'Arlesienne	L'Arlesi
21	Song Without Words	SongNoWd
22	Pianosonatan 08 IN Cm IN Pathetique	Piano08
23	The Happy Farmer	HpFarmer
24	The Sleeping Beauty	SleepBty
25	Mazurka	Mazurka
26	Brahms Waltz	BrmsWalz
27	Mov.2 Adagio Non Troppo Piano Sonata No.9 In D	Sonata9
28	Mov.1 Andante Grazioso Piano Sonata No.11 In A [Alla TurSonata11ca]	Sonata11
29	Chinese Dance	ChDance
30	Symphony No.40	Symphony

JAZZ & FUSION		
31	June Samba	JunSamba
32	Guitar&Saxphone	Gt&Sax
33	The Hip Hop's Night	HipHopNt
34	Blue Lunch	BluLunch
35	Cobweb	Cobweb
36	Wine	Wine
37	Jazz Old Man	JzOldMan
38	Dark Eyes	DarkEyes
39	Carlos	Carlos
40	Sad	Sad
GOLDEN & POP		
41	The Blue-Bells Of Scotland	BlueBell
42	Beautiful Dreamer	Dreamer
43	It's Been A Long, Long Time	LongTime
44	O Sole Mio	OSoleMio
45	Ave Maria	AveMaria
46	Five Hundred Miles	FHMiles
47	Jeanie With The Light Brown Hair	LighHair
48	Summer Palace	SummerPa
49	Entertainer	Entertai
50	El Bimbo	ElBimbo
PIANO		
51	Habanera	Habanera
52	Wedding March	Wedding
53	Turkish March	TurkishM
54	Moseta Dance	MosetaDn
55	Aria	Aria
56	Away In A Manger	AwayInAM
57	Four Little Swans	FLSwans
58	"Jesus, Saviour Pilot Me"	PilotMe
59	Brave Cavalier	Cavalier
60	America The Beautiful	USFair

Demo List

No.	Name	LCD Name
1	Dancing Melody	DanceMld
2	Jazz	Jazz

Chord List

Chord Name (Abbreviation)	Normal Voicing	Chord	Display
Major [M]	1-3-5	C	C
Major sixth [6]	1-(3)-5-6	C6	C6
Major seventh [M7]	1-3-(5)-7	CM7	CM7
Major seventh sharp eleventh [M7#11]	1-(2)-3-#4-(5)-7	CM7#11	CM7#11
Major add ninth [Madd9]	1-2-3-5	Cmadd9	CM(9)
Major ninth [M9]	1-2-3-(5)-7	CM9	CM7(9)
Major sixth add ninth [6 9]	1-2-3-(5)-6	C6 9	C6(9)
Augmented [aug]	1-3-#5	Caug	Caug
Minor [m]	1-b3-5	Cm	Cm
Minor sixth [m6]	1-b3-5-6	Cm6	Cm6
Minor seventh [m7]	1-b3-(5)-b7	Cm7	Cm7
Minor seventh flatted fifth [m7b5]	1-b3-b5-b7	Cm7b5	Cm7b5
Minor add ninth [madd9]	1-2-b3-5	Cmadd9	Cm(9)
Minor ninth [m9]	1-2-b3-(5)-b7	Cm9	Cm7(9)
Minor eleventh [m11]	1-(2)-b3-4-5-(b7)	Cm11	Cm7(11)
Minor major ninth [mM7]	1-b3-(5)-7	CmM7	CmM7
Minor major ninth [mM9]	1-2-b3-(5)-7	CmM9	CmM7(9)
Diminished [dim]	1-b3-b5	Cdim	Cdim
Diminished seventh [dim7]	1-b3-b5-6	Cdim7	Cdim7
Seventh [7]	1-3-(5)-b7	C7	C7
Seventh suspended fourth [7sus4]	1-4-5-b7	C7sus4	C7sus4
Seventh flatted fifth [7b5]	1-3-b5-b7	C7b5	C7b5
Seventh ninth [7 9]	1-2-3-(5)-b7	C7 9	C7(9)
Seventh sharp evelenth [7#11]	1-2-3-#4-(5)-b7 or 1-(2)-3-#4-5-b7	C7#11	C7(#11)
Seventh thirteenth [7 13]	1- 3-(5)-6-b7 or 2- 3-5-6-b7	C7 13	C7(13)
Seventh flatted ninth [7b9]	1-b2-3-(5)-b7	C7b9	C7(b9)
Seventh flatted thirteenth [7b13]	1-3-5-b6-b7	C7b13	C7(b13)
Seventh sharp ninth [7#9]	(1)-#2-3-(5)-b7	C7#9	C7(#9)
Major seventh augmented [M7aug]	1-3-#5-7	CM7aug	CM7aug
Seventh augmented [7aug]	(1)-3-#5-b7	C7aug	C7aug
Suspended fourth [sus4]	1-4-5	Csus4	Csus4
One plus two plus five [1+2+5]	1-2-5	C1+2+5	C

Function		Transmitted	Recognized	Remarks
Basic	Default	1ch	ALL	
Channel	Changed	1-16ch	1-16ch	
Mode	Default	×	3	
	Messages	×	3	
	Altered	**********	×	
Note	Note	0—127	0—127	
Number	:True voice	**********	0—127	
Velocity	Note on	○ 9nH,V=1-127	○ 9nH,V=1-127	
	Note off	× （9nH,V=0）	○(9nH,V=0; 8nH,V=0-127)	
After	key's	×	×	
Touch	Ch's	×	×	
Pitch Bend		×	○	
Control	0	○	○	Bank Select
Change	1	×	○	Modulation
	5	×	○	Portamento Time
	6	○	○	Data Entry
	7	○	○	Volume
	10	×	○	Pan
	11	×	○	Expression
	64	○	○	Sustain Pedal
	65	×	○	Portamento ON/OFF
	66	○	○	Sostenuto Pedal
	67	○	○	Soft Pedal
	80	×	○	Reverb Program
	81	×	○	Chorus Program
	91	○	○	Reverb Level
	93	○	○	Chorus Level
	120	×	○	All Sound Off
	121	×	○	Reset All Controllers
	123	○	○	All Notes Off
Program		○	○	
Change	:true	**********	0—127	
System Exclusive		×	○	
System	:SongPosition	×	×	
Common	:Song Select	×	×	
	:Tune	×	×	
System	:Clock	×	×	
Real Time	:Commands	× *1	× *1	
Aux	:LOCAL ON/OFF	×	×	
	:All Notes Off	○	○	
Messages	:Active sense	○	○	
	:Reset	×	○	

Notes: *1

When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. When an FAH message is received, accompaniment is started. When an FCH message is received, accompaniment is stopped.

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON, MONO ○: YES
- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO ×: NO